

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122122\
 Data File : VU052467.D
 Acq On : 21 Dec 2022 09:33
 Operator : JC/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

Quant Time: Dec 22 00:25:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:39:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	173837	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	165763	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	85609	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	89531	5.084	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.600%
7) Chloroethane-d5	1.916	69	75913	4.998	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.000%
11) 1,1-Dichloroethene-d2	2.568	65	38026	5.018	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.649	46	265095	48.540	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.080%
24) Chloroform-d	5.060	84	148856	5.010	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
26) 1,2-Dichloroethane-d4	5.700	65	82994	4.815	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.400%
32) Benzene-d6	5.726	84	295399	5.198	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
36) 1,2-Dichloropropane-d6	6.687	67	99451	5.084	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.600%
41) Toluene-d8	7.896	98	260565	5.462	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.200%
43) trans-1,3-Dichloroprop...	8.176	79	34378	5.132	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.600%
46) 2-Hexanone-d5	8.633	63	193608	52.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.660%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	85264	5.133	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.600%
66) 1,2-Dichlorobenzene-d4	12.189	152	88056	5.052	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	78025	5.044	ug/L	100
3) Chloromethane	1.520	50	106061	4.750	ug/L	98
5) Vinyl chloride	1.604	62	102119	5.046	ug/L	99
6) Bromomethane	1.861	94	56253	4.875	ug/L	100
8) Chloroethane	1.935	64	63047	4.548	ug/L	98
9) Trichlorofluoromethane	2.141	101	115588	5.051	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	67789	4.984	ug/L	98
12) 1,1-Dichloroethene	2.581	96	66584	5.114	ug/L	96
13) Acetone	2.681	43	164349	40.821	ug/L	76
14) Carbon disulfide	2.793	76	214327	5.109	ug/L	99
15) Methyl Acetate	2.964	43	41545	4.684	ug/L	100
16) Methylene chloride	3.048	84	85123	4.629	ug/L	99
17) Methyl tert-butyl Ether	3.363	73	174543	5.022	ug/L	99
18) trans-1,2-Dichloroethene	3.353	96	68440	5.101	ug/L	96
19) 1,1-Dichloroethane	3.867	63	145687	4.993	ug/L	99
21) 2-Butanone	4.729	43	279548	47.146	ug/L	97
22) cis-1,2-Dichloroethene	4.665	96	74835	5.082	ug/L	97
23) Bromochloromethane	4.977	128	34788	5.098	ug/L	97
25) Chloroform	5.086	83	140011	4.952	ug/L	100

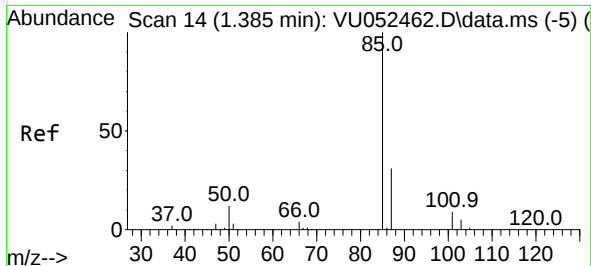
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 Data File : VU052467.D
 Acq On : 21 Dec 2022 09:33
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 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

Quant Time: Dec 22 00:25:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122022WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 21 03:39:33 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.793	62	97179	4.975	ug/L	99
29) 1,1,1-Trichloroethane	5.314	97	109257	5.237	ug/L	99
30) Cyclohexane	5.388	56	120278	5.335	ug/L	98
31) Carbon tetrachloride	5.523	117	94480	5.153	ug/L	98
33) Benzene	5.771	78	312996	5.242	ug/L	100
34) Trichloroethene	6.539	95	71431	5.118	ug/L	99
35) Methylcyclohexane	6.761	83	107986	5.130	ug/L	98
37) 1,2-Dichloropropane	6.790	63	88084	5.287	ug/L	99
38) Bromodichloromethane	7.102	83	101825	5.021	ug/L	99
39) cis-1,3-Dichloropropene	7.607	75	105341	4.992	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	638168	52.416	ug/L	98
42) Toluene	7.967	91	310857	5.430	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	94431	5.078	ug/L	100
45) 1,1,2-Trichloroethane	8.398	97	60259	5.107	ug/L	98
47) Tetrachloroethene	8.552	164	50195	5.152	ug/L	97
48) 2-Hexanone	8.684	43	477800	52.063	ug/L	99
49) Dibromochloromethane	8.806	129	66051	5.286	ug/L	97
50) 1,2-Dibromoethane	8.922	107	55290	5.154	ug/L	96
51) Chlorobenzene	9.443	112	188238	5.149	ug/L	99
52) Ethylbenzene	9.568	91	307273	5.187	ug/L	99
53) m,p-Xylene	9.690	106	118720	5.435	ug/L	96
54) o-Xylene	10.099	106	113096	5.401	ug/L	99
55) Styrene	10.112	104	204122	5.603	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.777	83	84407	5.174	ug/L #	98
59) Bromoform	10.288	173	36740	4.885	ug/L	98
60) Isopropylbenzene	10.481	105	300807	5.421	ug/L	99
61) 1,2,3-Trichloropropane	10.819	75	59594	4.853	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	239081	5.224	ug/L	99
63) 1,2,4-Trimethylbenzene	11.465	105	242427	5.262	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	141654	5.145	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	141940	4.985	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	137671	5.061	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.992	75	13286	4.780	ug/L	98
69) 1,3,5-Trichlorobenzene	13.214	180	98870	4.877	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	82244	4.821	ug/L	97
71) Naphthalene	14.082	128	154941	4.489	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	82358	4.817	ug/L	100

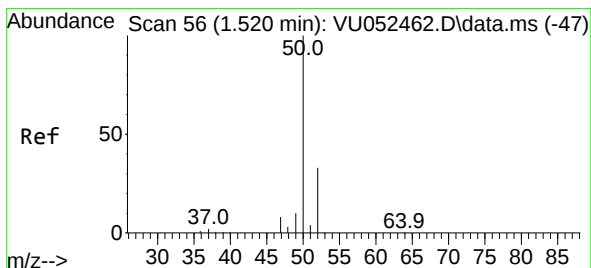
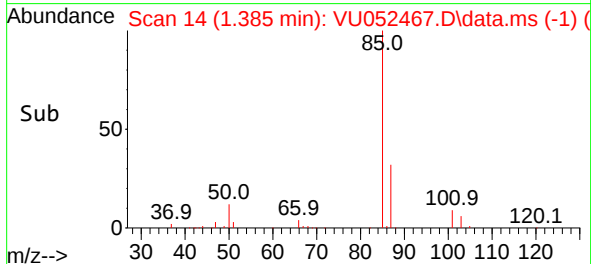
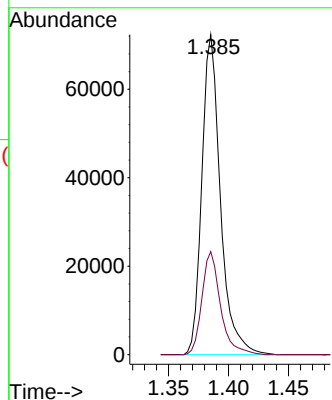
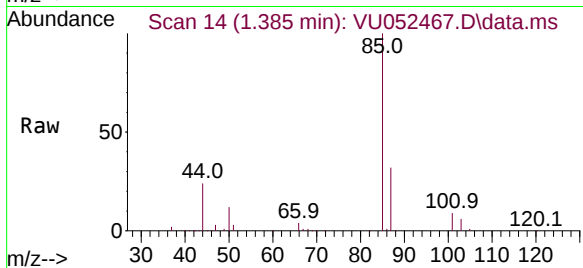
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#2
Dichlorodifluoromethane
Concen: 5.044 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

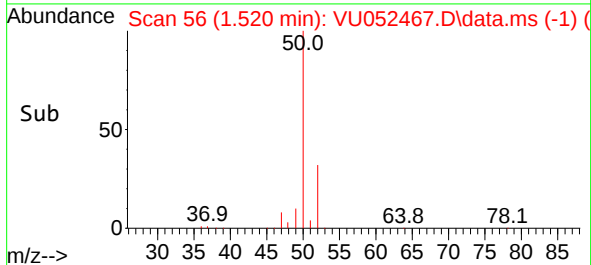
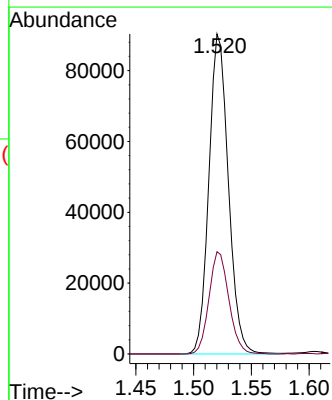
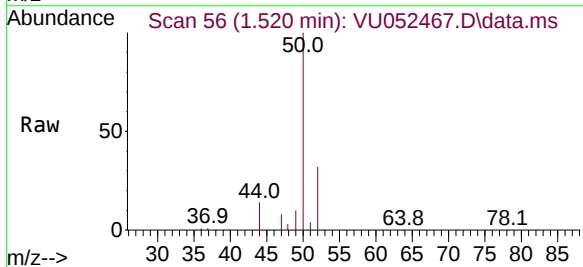
Instrument :
MSVOA_U
ClientSampleId :
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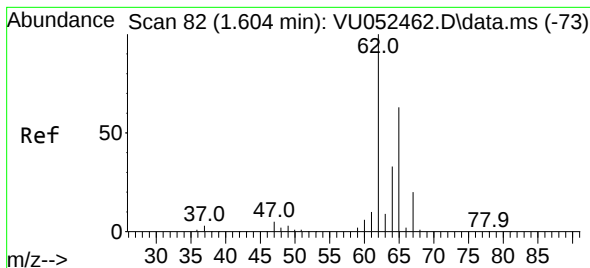
Tgt Ion: 85 Resp: 78025
Ion Ratio Lower Upper
85 100
87 32.2 25.6 38.4



#3
Chloromethane
Concen: 4.750 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 50 Resp: 106061
Ion Ratio Lower Upper
50 100
52 31.9 23.0 42.6





#5

Vinyl chloride

Concen: 5.046 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

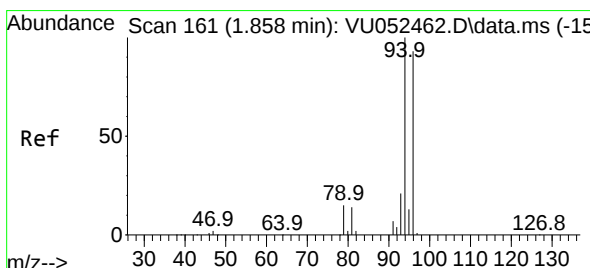
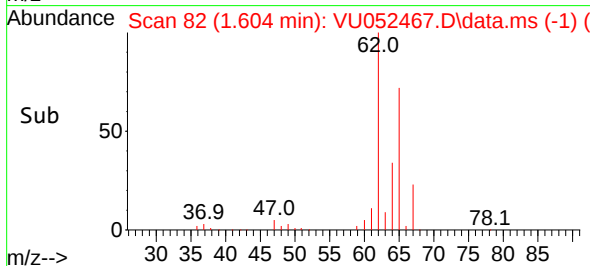
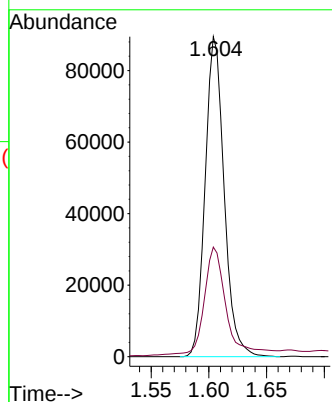
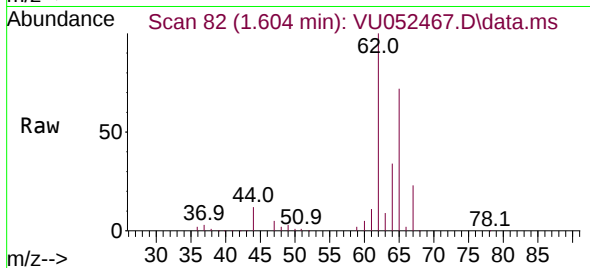
VSTD005111

Tgt Ion: 62 Resp: 102119

Ion Ratio Lower Upper

62 100

64 34.2 24.4 45.4



#6

Bromomethane

Concen: 4.875 ug/L

RT: 1.861 min Scan# 162

Delta R.T. 0.003 min

Lab File: VU052467.D

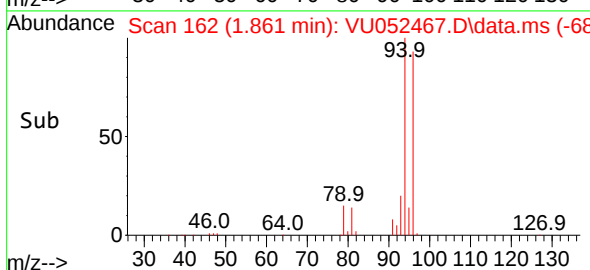
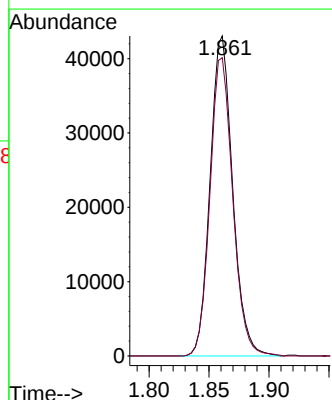
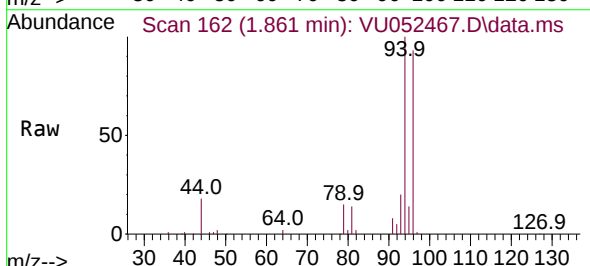
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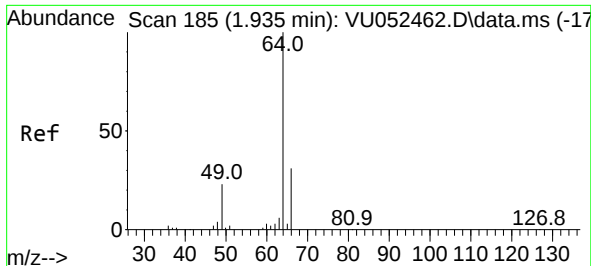
Tgt Ion: 94 Resp: 56253

Ion Ratio Lower Upper

94 100

96 93.2 65.0 120.8

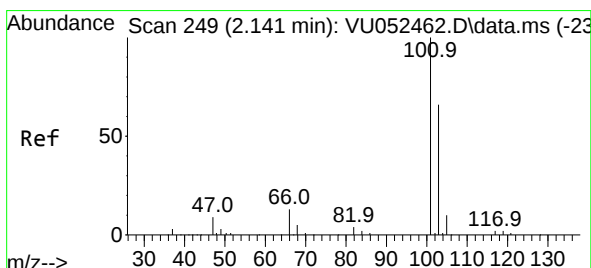
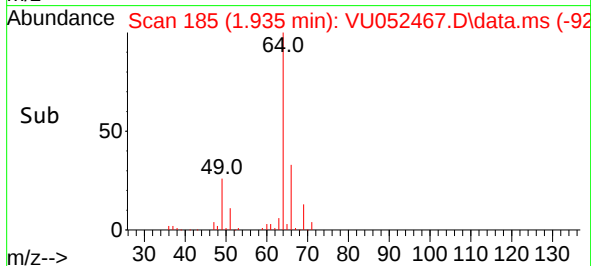
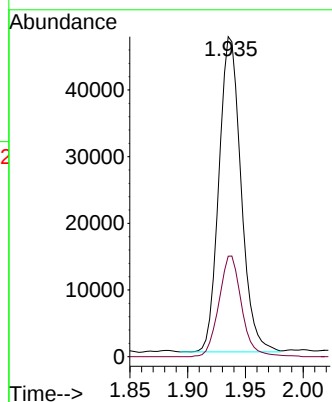
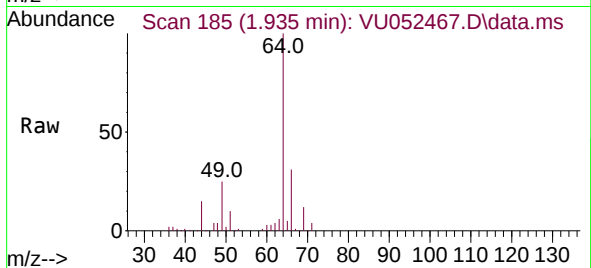




#8
Chloroethane
Concen: 4.548 ug/L
RT: 1.935 min Scan# 185
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

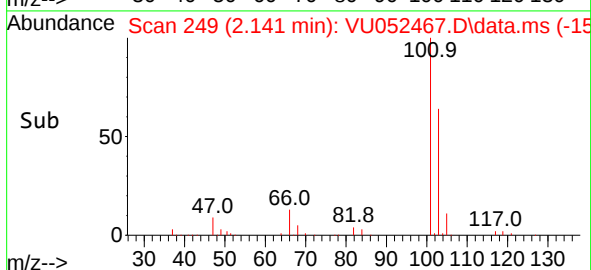
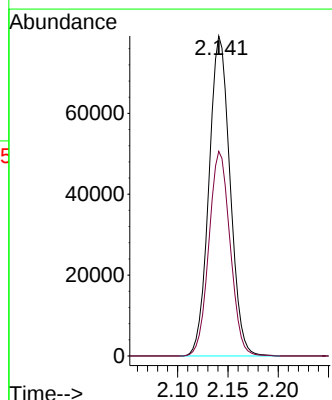
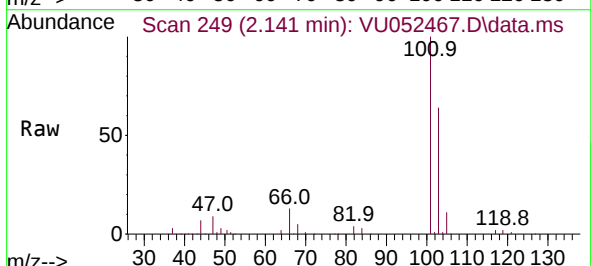
Instrument :
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ClientSampleId :
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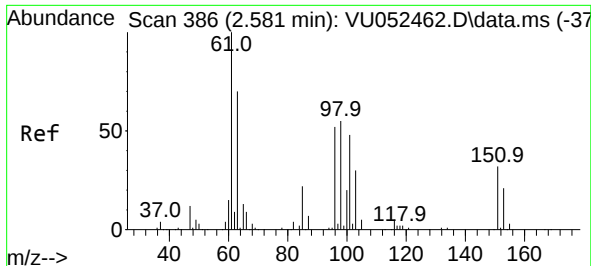
Tgt Ion: 64 Resp: 63047
Ion Ratio Lower Upper
64 100
66 31.4 21.3 39.5



#9
Trichlorofluoromethane
Concen: 5.051 ug/L
RT: 2.141 min Scan# 249
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion:101 Resp: 115588
Ion Ratio Lower Upper
101 100
103 64.1 52.0 78.0

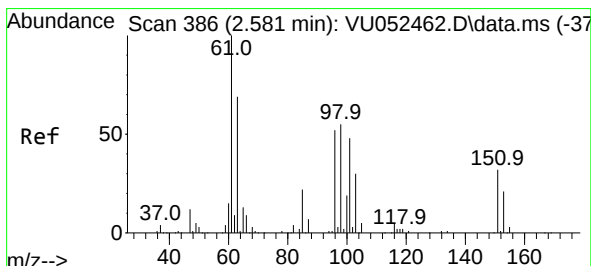
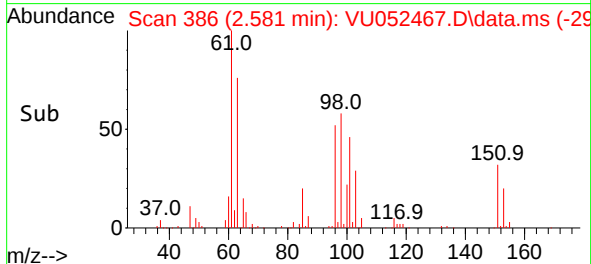
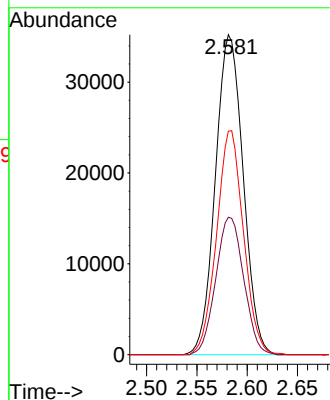
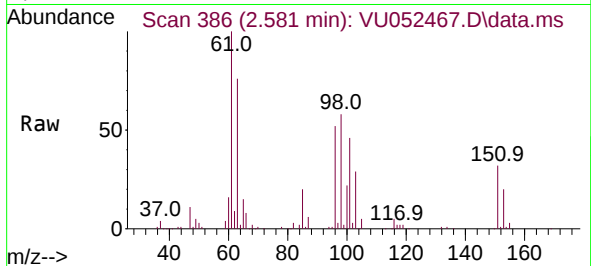




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.984 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

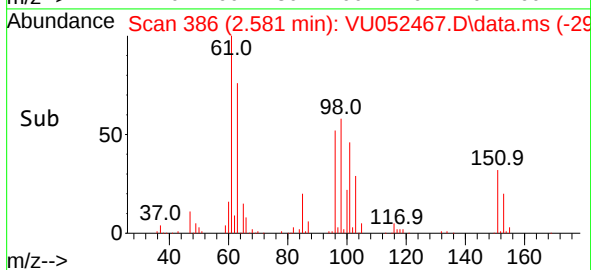
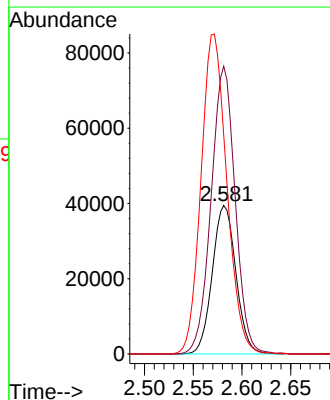
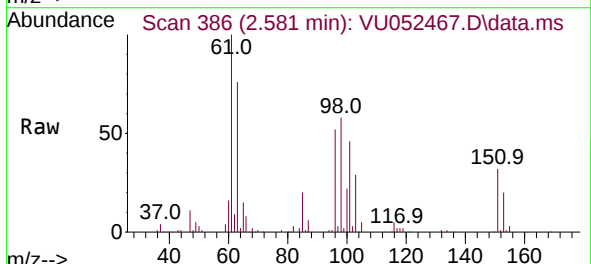
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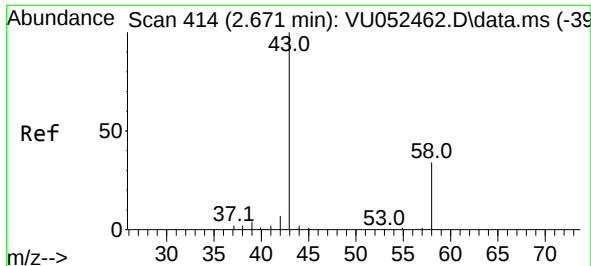
Tgt Ion: 101 Resp: 67789
 Ion Ratio Lower Upper
 101 100
 85 43.1 35.8 53.6
 151 67.8 53.6 80.4



#12
 1,1-Dichloroethene
 Concen: 5.114 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

Tgt Ion: 96 Resp: 66584
 Ion Ratio Lower Upper
 96 100
 61 193.9 135.4 251.4
 63 147.6 95.4 177.2





#13

Acetone

Concen: 40.821 ug/L

RT: 2.681 min Scan# 41

Delta R.T. 0.010 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

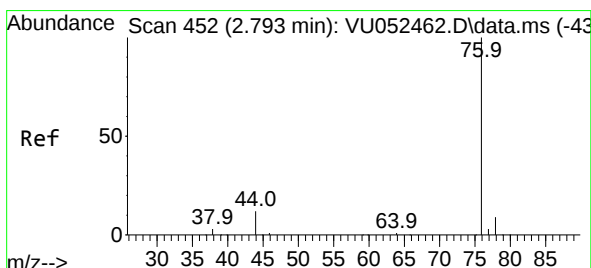
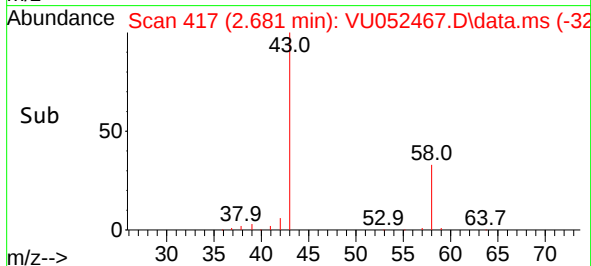
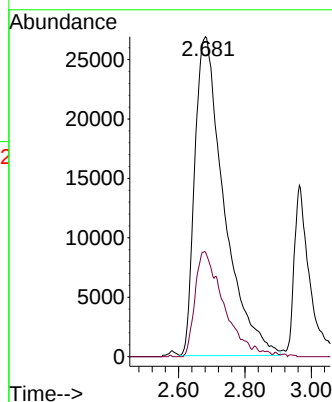
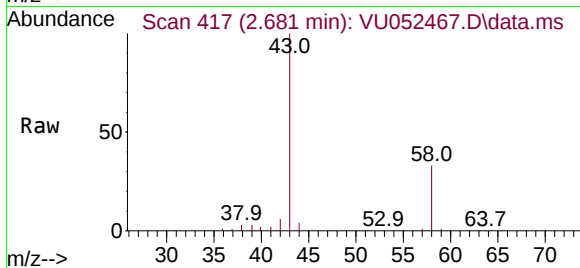
VSTD005111

Tgt Ion: 43 Resp: 164349

Ion Ratio Lower Upper

43 100

58 19.1 0.0 65.4



#14

Carbon disulfide

Concen: 5.109 ug/L

RT: 2.793 min Scan# 452

Delta R.T. 0.000 min

Lab File: VU052467.D

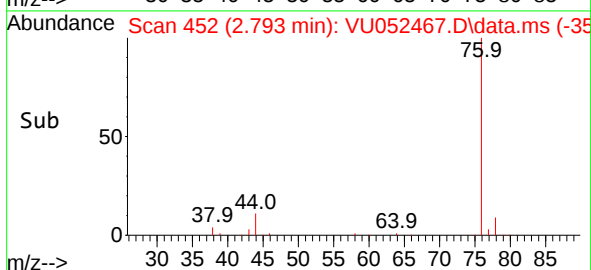
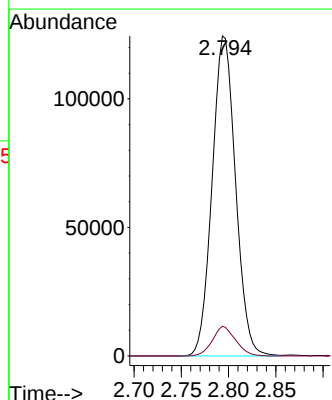
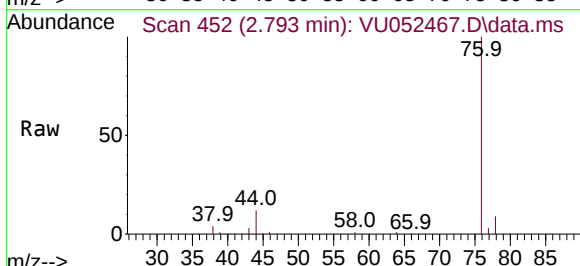
Acq: 21 Dec 2022 09:33

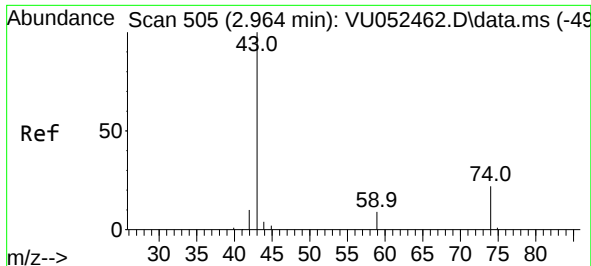
Tgt Ion: 76 Resp: 214327

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7

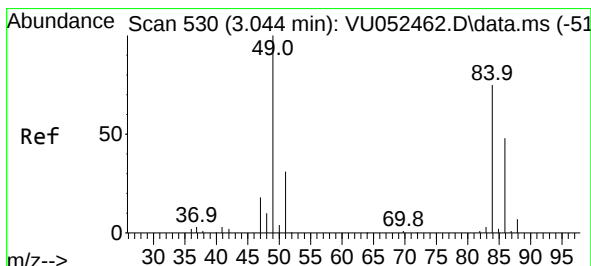
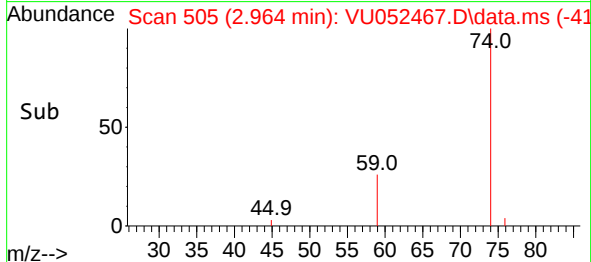
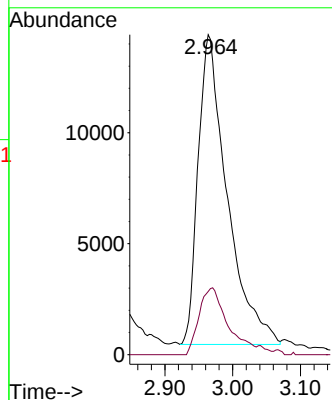
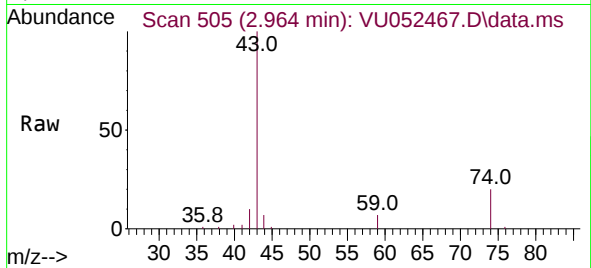




#15
Methyl Acetate
Concen: 4.684 ug/L
RT: 2.964 min Scan# 505
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

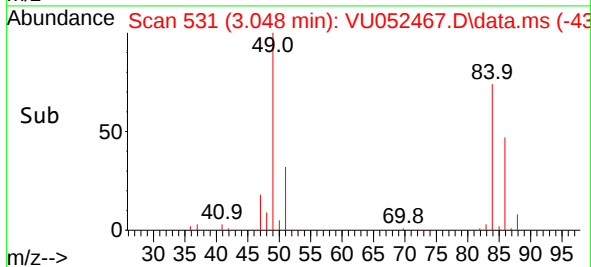
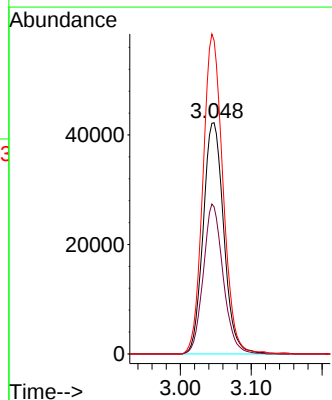
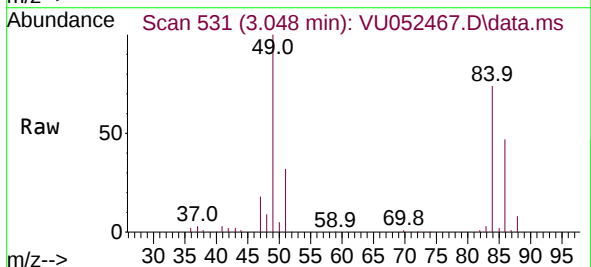
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

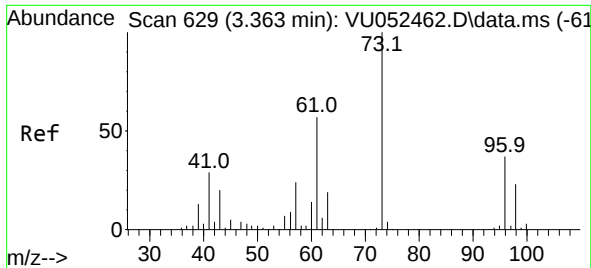
Tgt Ion: 43 Resp: 41545
Ion Ratio Lower Upper
43 100
74 21.3 16.9 25.3



#16
Methylene chloride
Concen: 4.629 ug/L
RT: 3.048 min Scan# 531
Delta R.T. 0.003 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 84 Resp: 85123
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 135.6 93.3 173.3

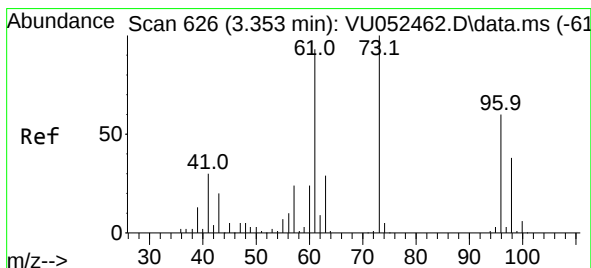
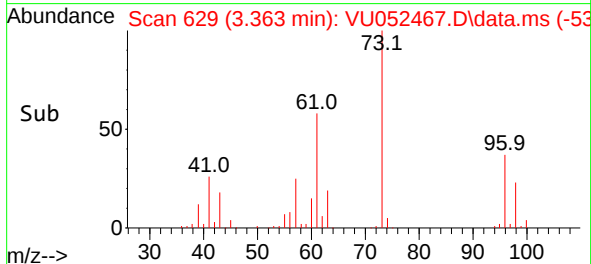
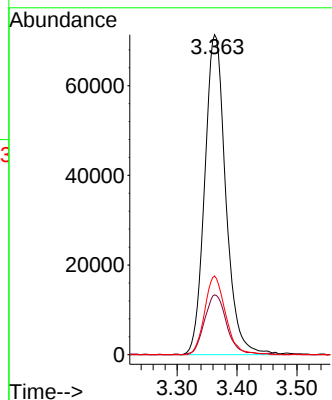
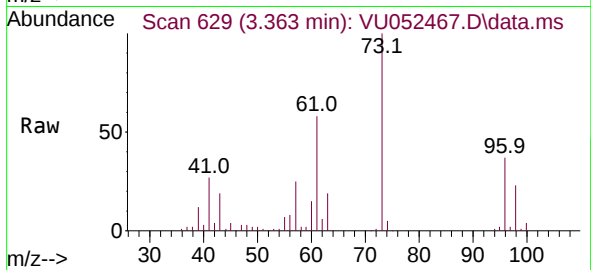




#17
Methyl tert-butyl Ether
Concen: 5.022 ug/L
RT: 3.363 min Scan# 617
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

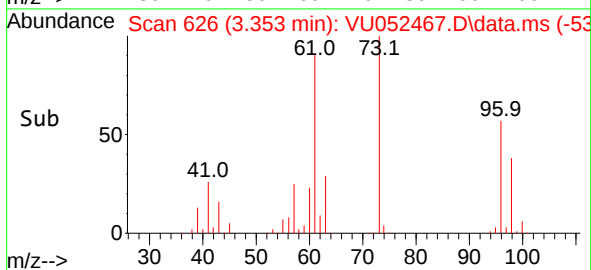
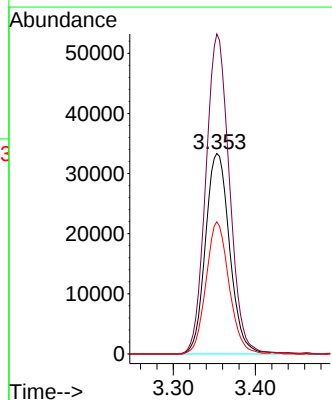
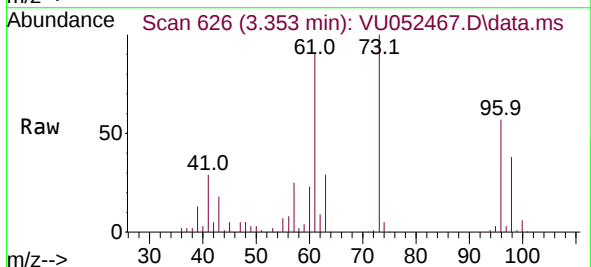
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

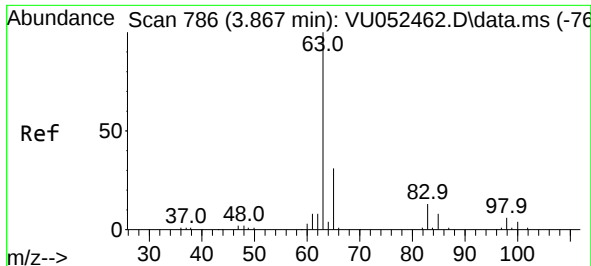
Tgt Ion: 73 Resp: 174543
Ion Ratio Lower Upper
73 100
43 19.8 16.1 24.1
57 24.4 19.2 28.8



#18
trans-1,2-Dichloroethene
Concen: 5.101 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 96 Resp: 68440
Ion Ratio Lower Upper
96 100
61 159.6 108.3 201.1
98 65.9 44.0 81.6

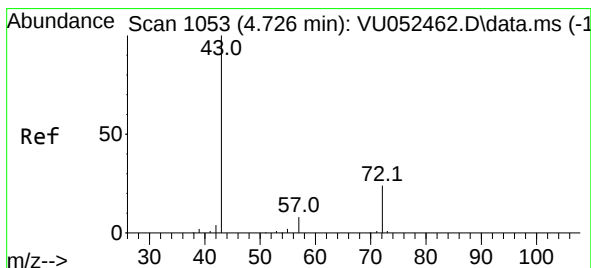
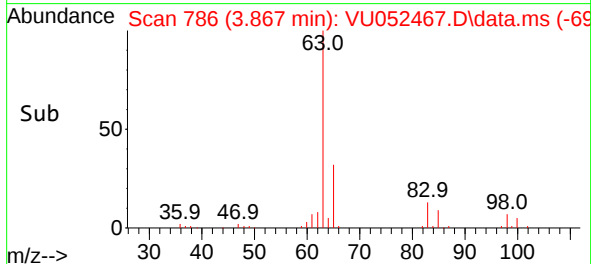
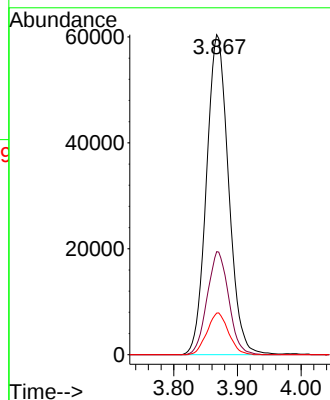
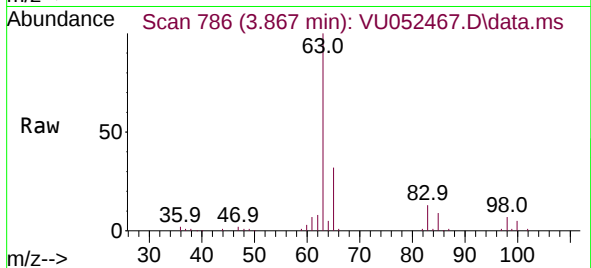




#19
1,1-Dichloroethane
Concen: 4.993 ug/L
RT: 3.867 min Scan# 786
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

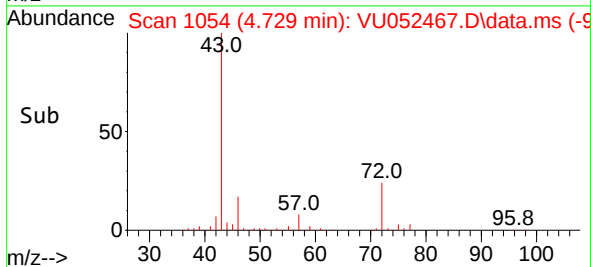
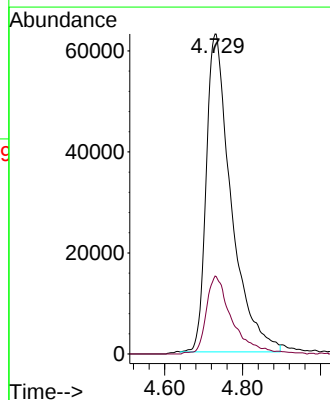
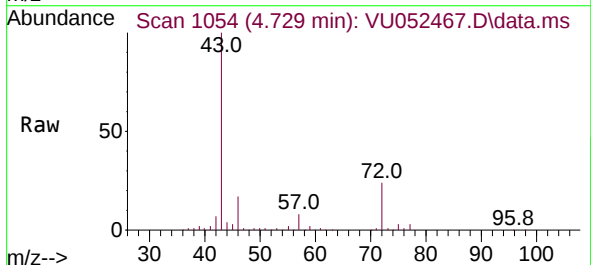
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

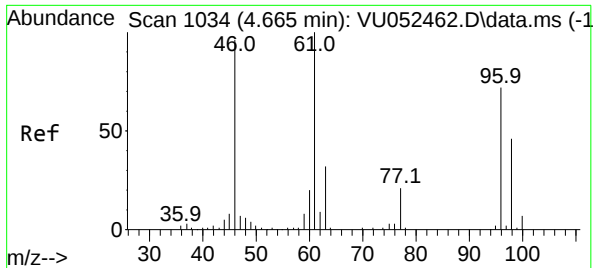
Tgt Ion: 63 Resp: 145687
Ion Ratio Lower Upper
63 100
65 32.2 22.0 40.8
83 13.0 9.0 16.8



#21
2-Butanone
Concen: 47.146 ug/L
RT: 4.729 min Scan# 1054
Delta R.T. 0.003 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 43 Resp: 279548
Ion Ratio Lower Upper
43 100
72 24.4 11.6 34.7

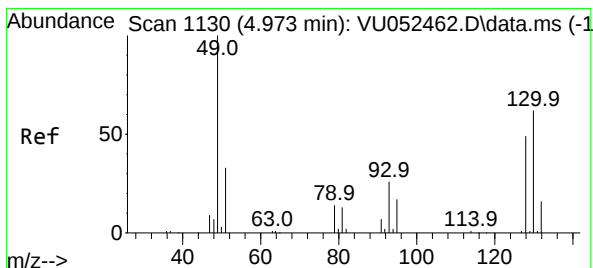
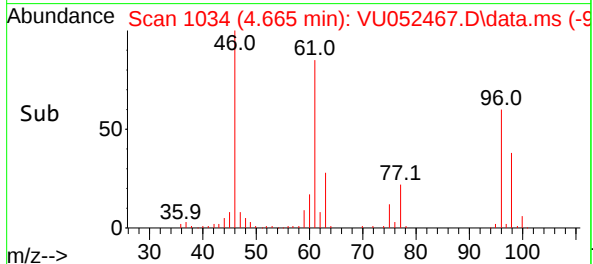
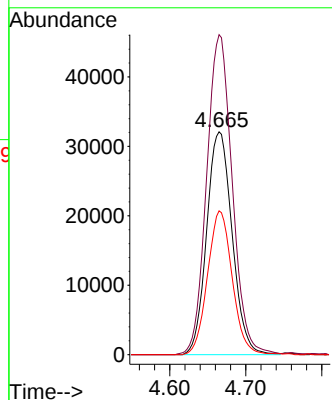
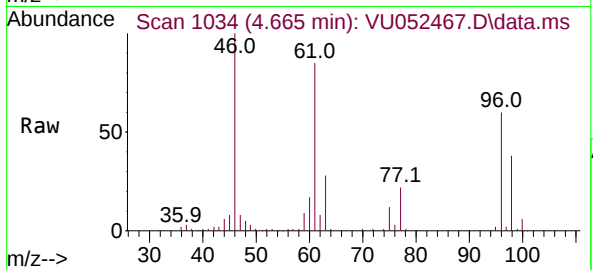




#22
 cis-1,2-Dichloroethene
 Concen: 5.082 ug/L
 RT: 4.665 min Scan# 1034
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

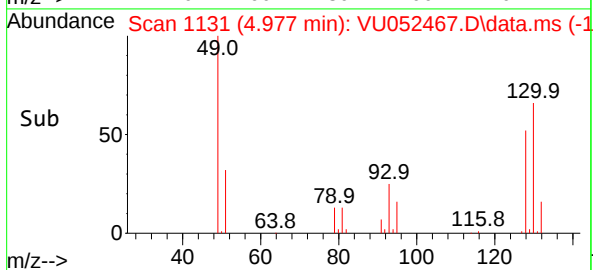
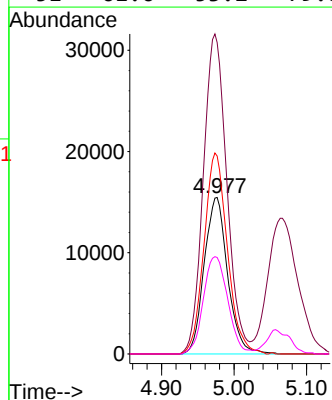
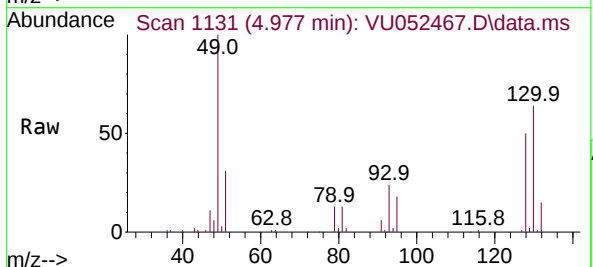
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

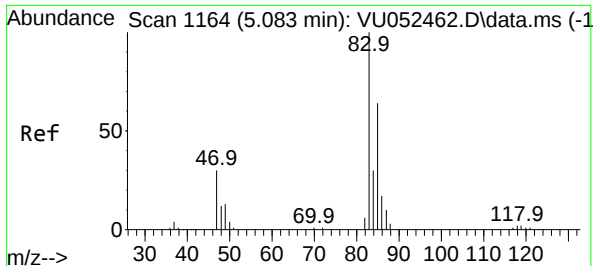
Tgt Ion: 96 Resp: 74835
 Ion Ratio Lower Upper
 96 100
 61 143.6 96.9 180.1
 98 64.5 44.7 83.1



#23
 Bromochloromethane
 Concen: 5.098 ug/L
 RT: 4.977 min Scan# 1131
 Delta R.T. 0.003 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

Tgt Ion: 128 Resp: 34788
 Ion Ratio Lower Upper
 128 100
 49 198.9 143.3 266.1
 130 126.5 88.4 164.2
 51 61.6 53.2 79.8





#25

Chloroform

Concen: 4.952 ug/L

RT: 5.086 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

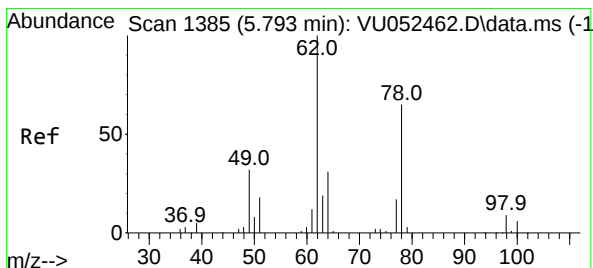
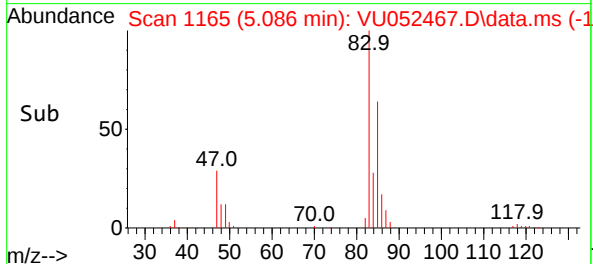
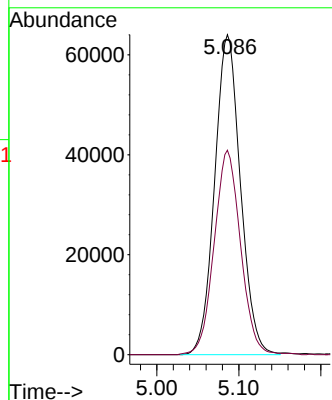
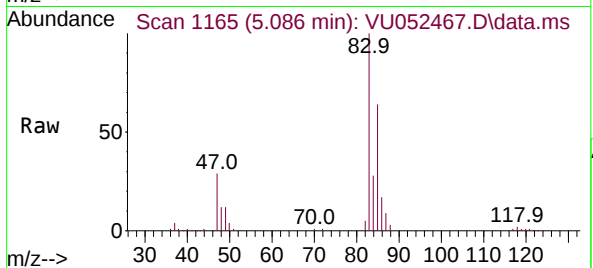
VSTD005111

Tgt Ion: 83 Resp: 140011

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1



#27

1,2-Dichloroethane

Concen: 4.975 ug/L

RT: 5.793 min Scan# 1385

Delta R.T. 0.000 min

Lab File: VU052467.D

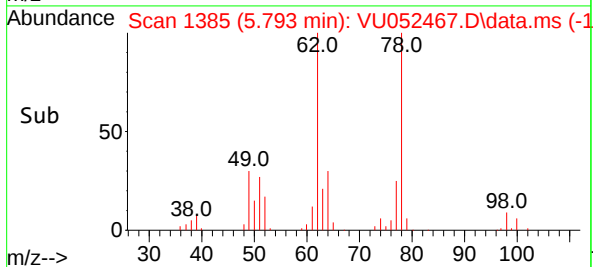
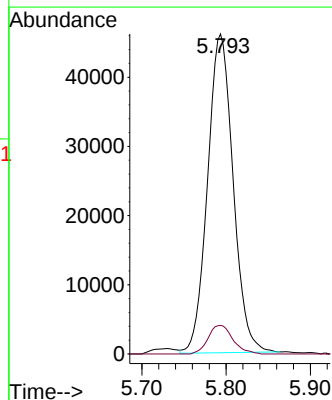
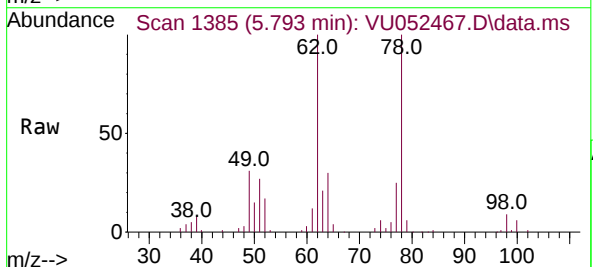
Acq: 21 Dec 2022 09:33

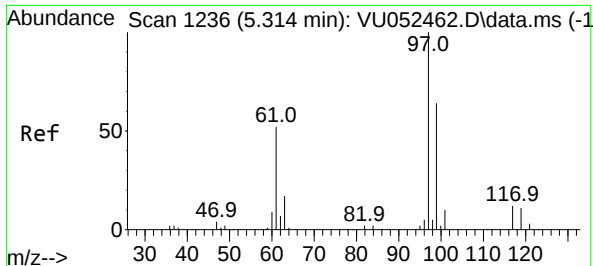
Tgt Ion: 62 Resp: 97179

Ion Ratio Lower Upper

62 100

98 9.0 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 5.237 ug/L

RT: 5.314 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005111

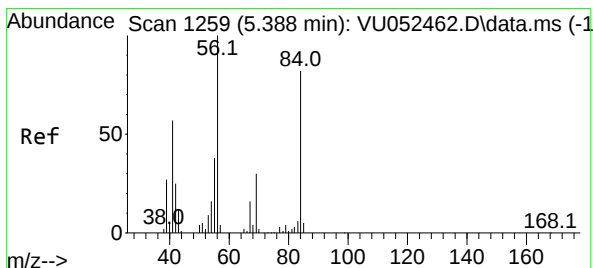
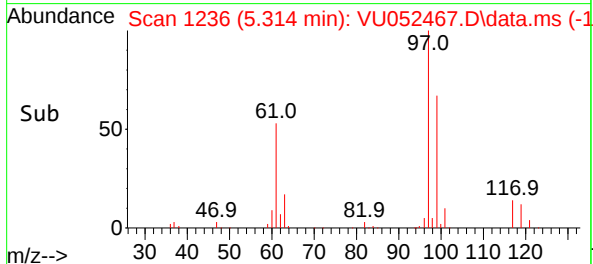
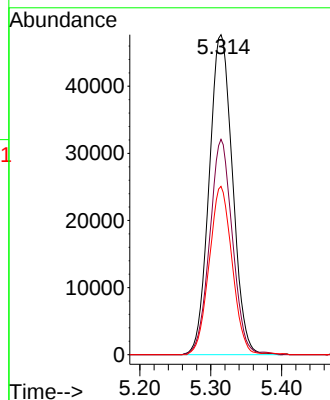
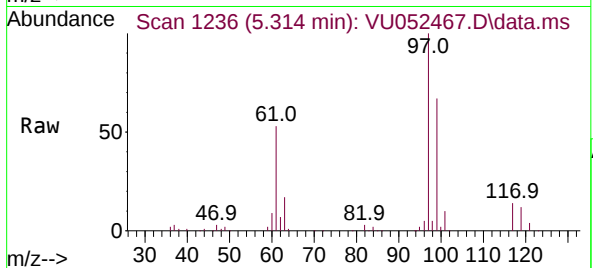
Tgt Ion: 97 Resp: 109257

Ion Ratio Lower Upper

97 100

99 65.7 52.2 78.2

61 51.5 41.6 62.4



#30

Cyclohexane

Concen: 5.335 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

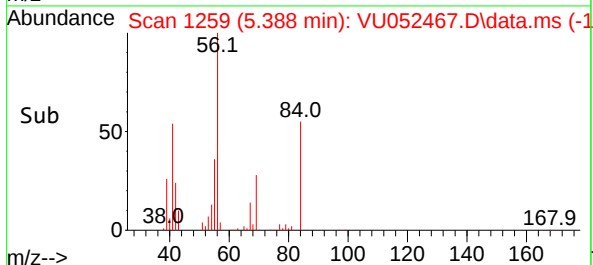
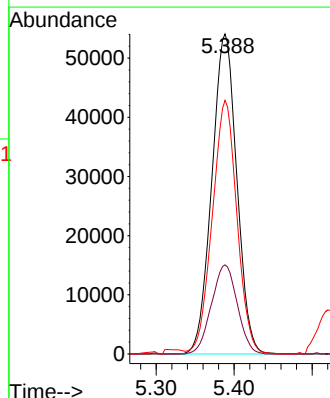
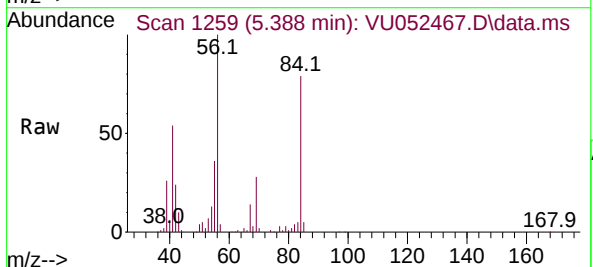
Tgt Ion: 56 Resp: 120278

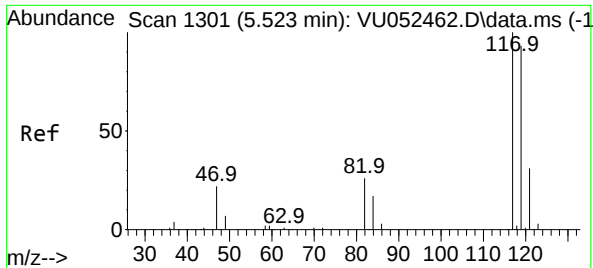
Ion Ratio Lower Upper

56 100

69 28.8 23.0 34.6

84 78.2 64.4 96.6

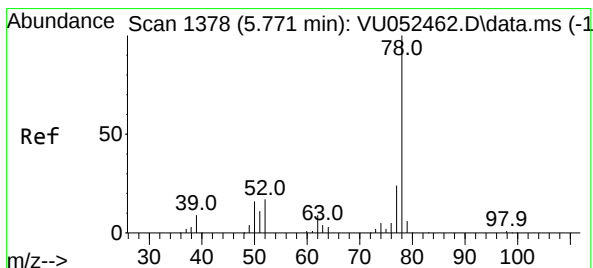
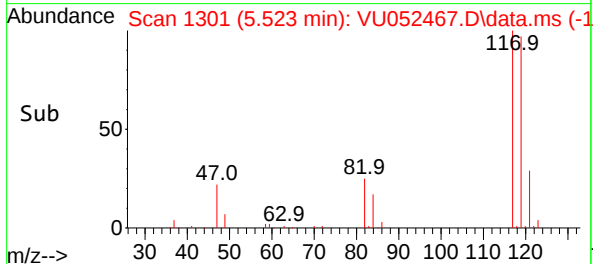
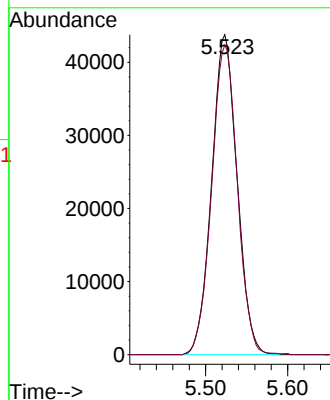
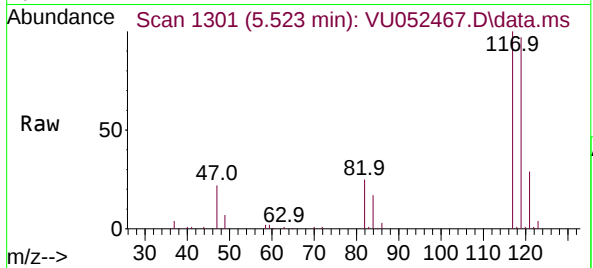




#31
Carbon tetrachloride
Concen: 5.153 ug/L
RT: 5.523 min Scan# 1301
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

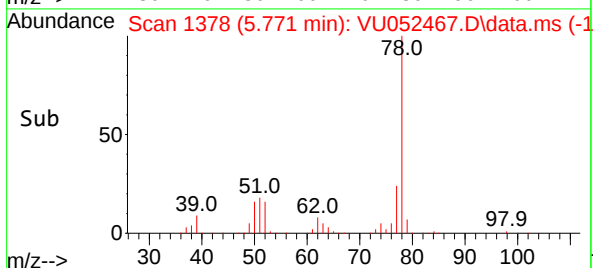
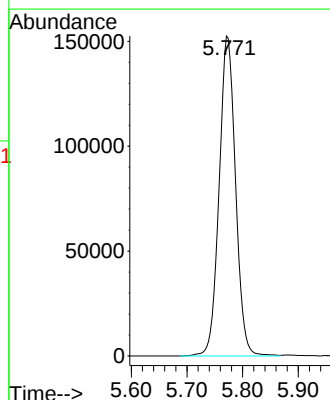
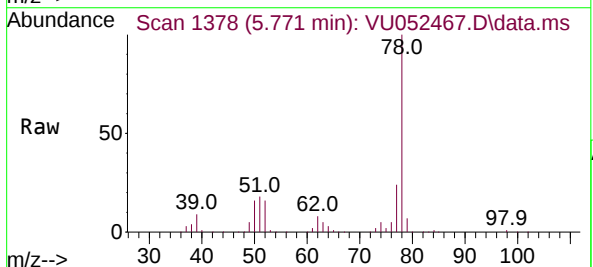
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

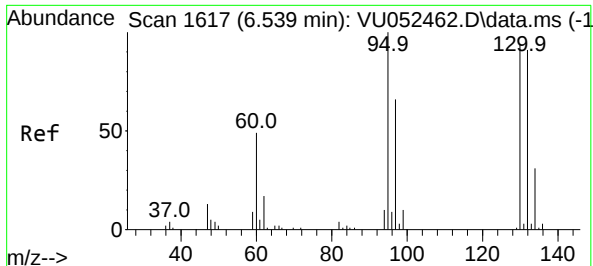
Tgt Ion:117 Resp: 94480
Ion Ratio Lower Upper
117 100
119 97.8 76.3 114.5



#33
Benzene
Concen: 5.242 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 78 Resp: 312996

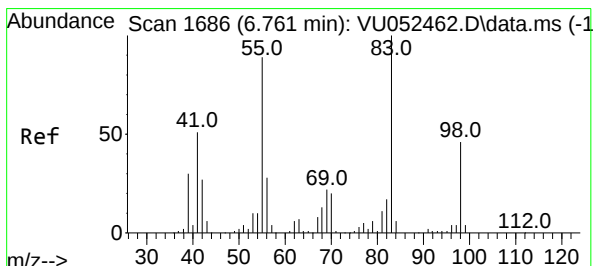
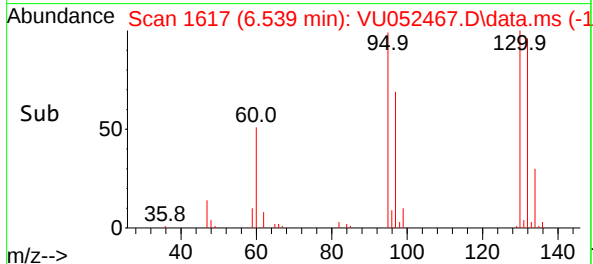
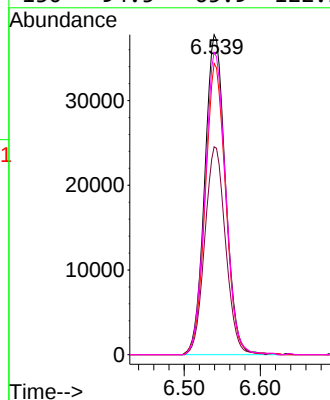
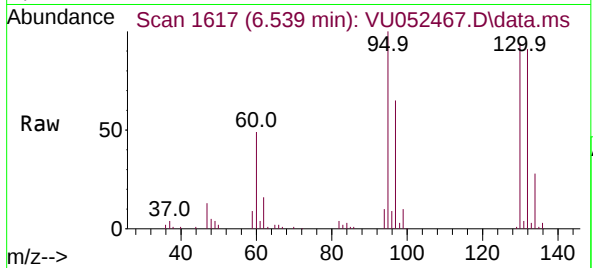




#34
Trichloroethene
Concen: 5.118 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

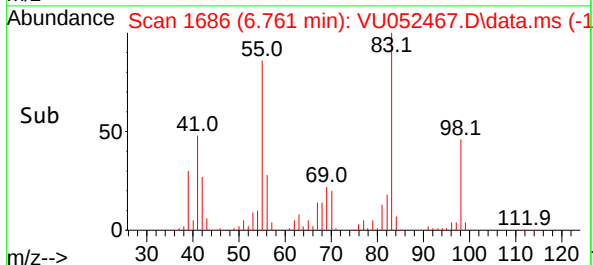
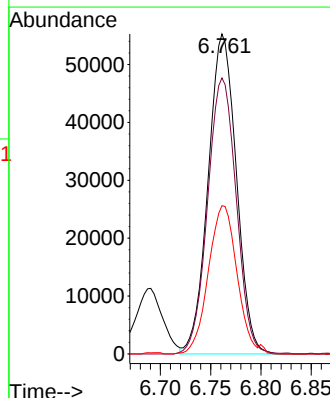
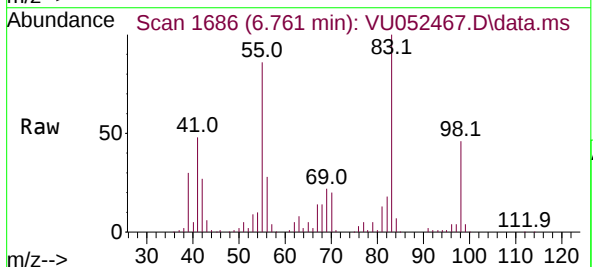
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

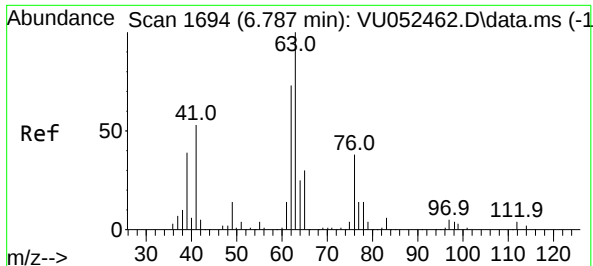
Tgt Ion: 95 Resp: 71431
Ion Ratio Lower Upper
95 100
97 65.0 46.3 86.1
132 91.0 63.9 118.7
130 94.5 65.9 122.5



#35
Methylcyclohexane
Concen: 5.130 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 83 Resp: 107986
Ion Ratio Lower Upper
83 100
55 87.4 71.4 107.0
98 47.1 36.5 54.7





#37

1,2-Dichloropropane

Concen: 5.287 ug/L

RT: 6.790 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

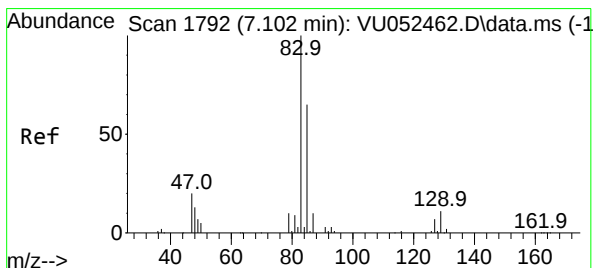
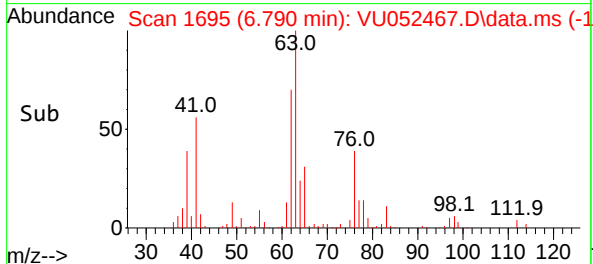
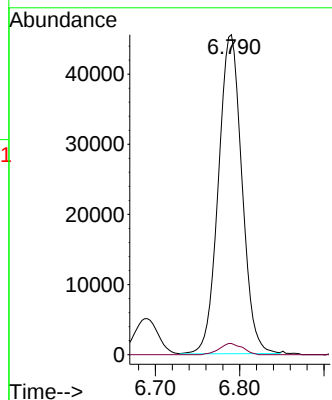
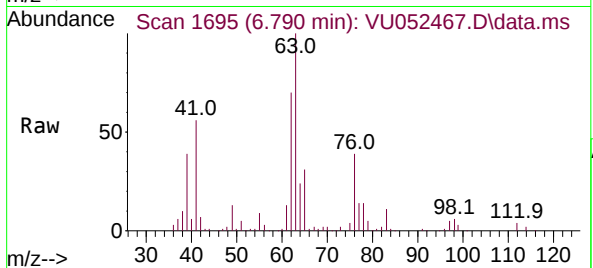
VSTD005111

Tgt Ion: 63 Resp: 88084

Ion Ratio Lower Upper

63 100

112 3.5 3.0 4.6



#38

Bromodichloromethane

Concen: 5.021 ug/L

RT: 7.102 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

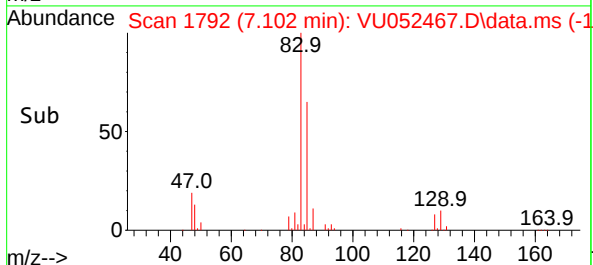
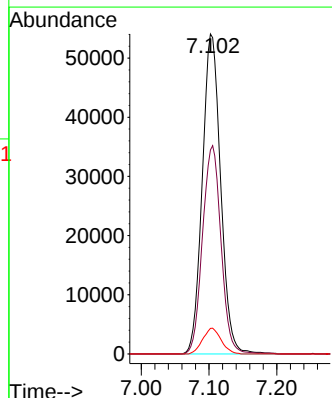
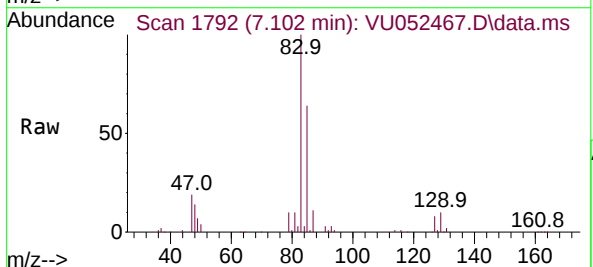
Tgt Ion: 83 Resp: 101825

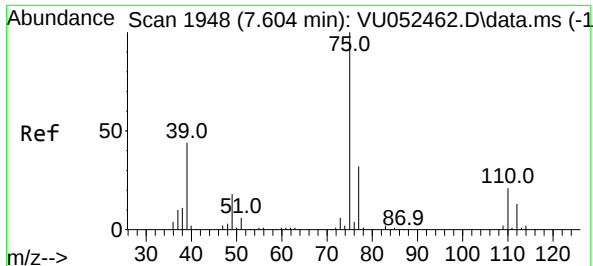
Ion Ratio Lower Upper

83 100

85 63.8 45.2 84.0

127 8.0 5.8 8.6





#39

cis-1,3-Dichloropropene

Concen: 4.992 ug/L

RT: 7.607 min Scan# 1948

Delta R.T. 0.003 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

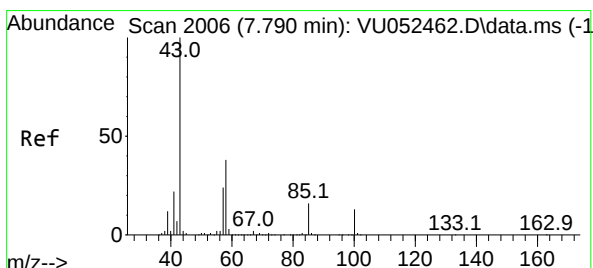
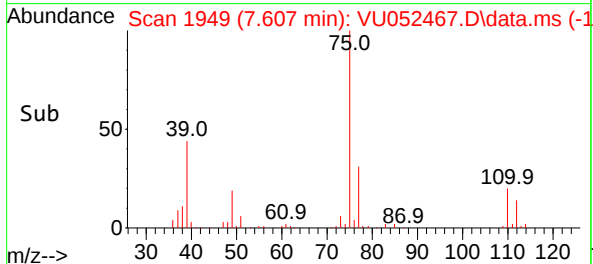
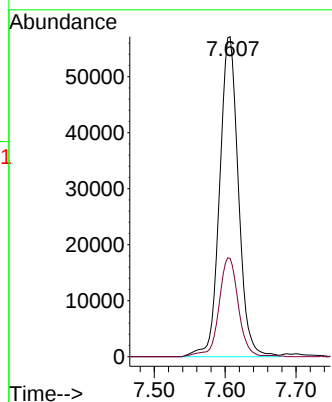
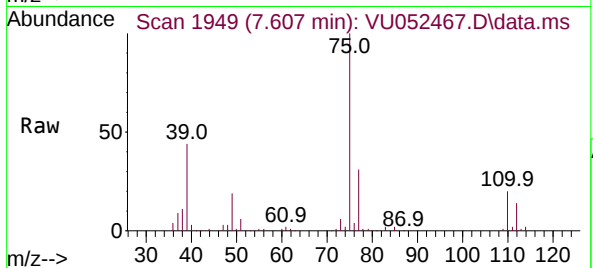
VSTD005111

Tgt Ion: 75 Resp: 105341

Ion Ratio Lower Upper

75 100

77 30.7 22.0 41.0



#40

4-Methyl-2-pentanone

Concen: 52.416 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

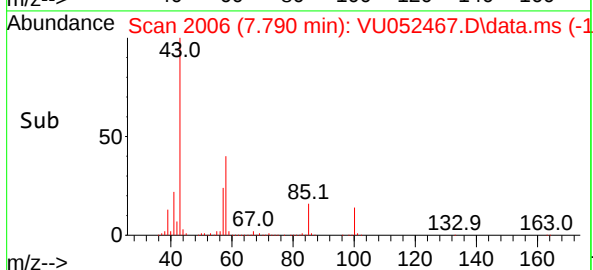
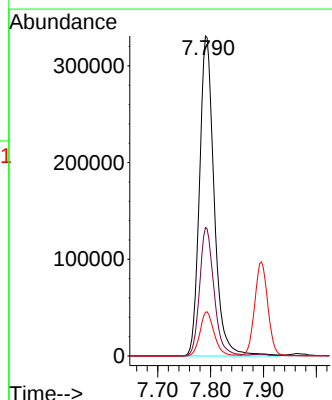
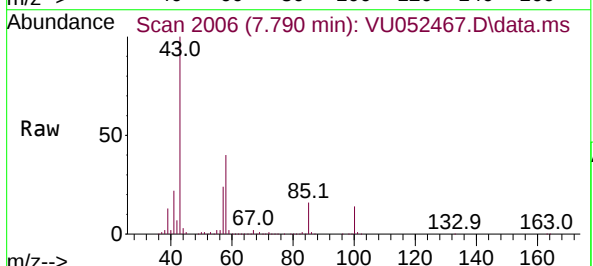
Tgt Ion: 43 Resp: 638168

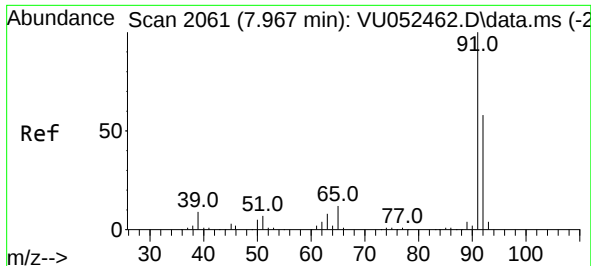
Ion Ratio Lower Upper

43 100

58 39.4 30.6 45.8

100 13.5 10.4 15.6





#42

Toluene

Concen: 5.430 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

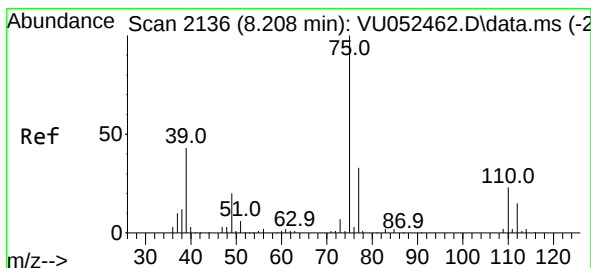
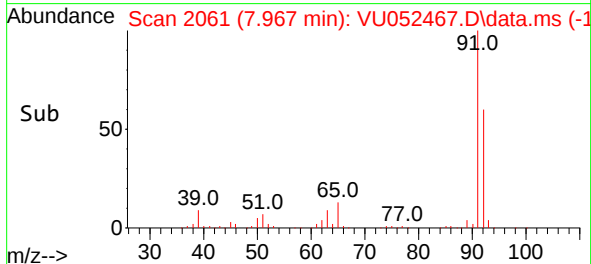
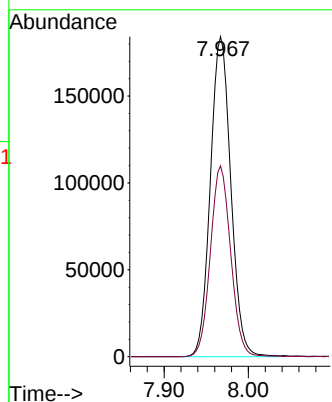
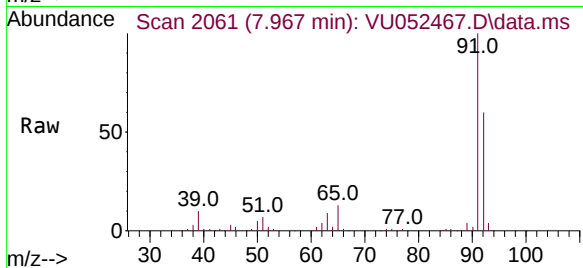
VSTD005111

Tgt Ion: 91 Resp: 310857

Ion Ratio Lower Upper

91 100

92 59.7 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.078 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. 0.000 min

Lab File: VU052467.D

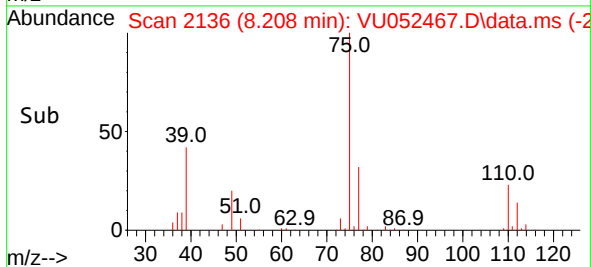
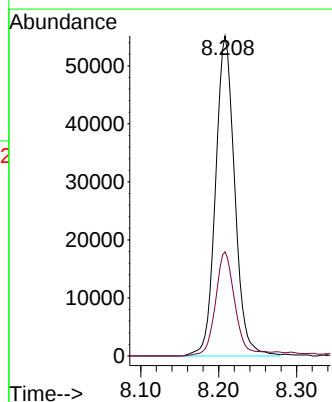
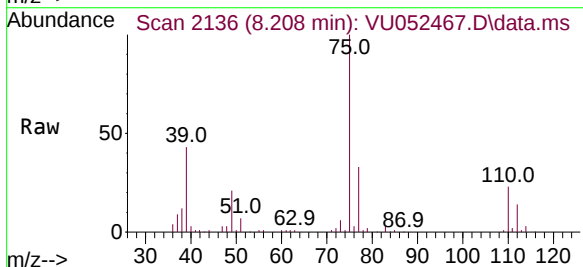
Acq: 21 Dec 2022 09:33

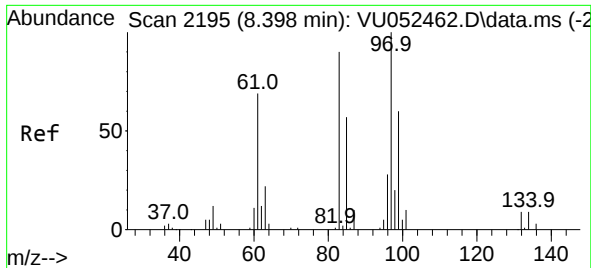
Tgt Ion: 75 Resp: 94431

Ion Ratio Lower Upper

75 100

77 32.5 22.8 42.4



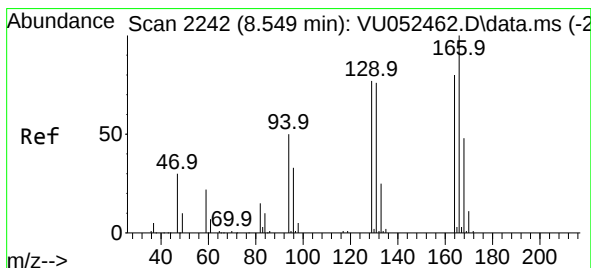
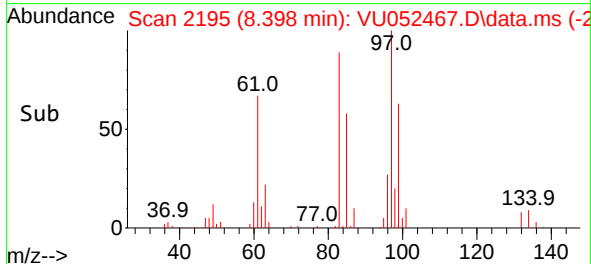
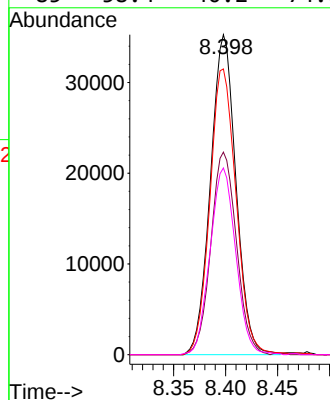
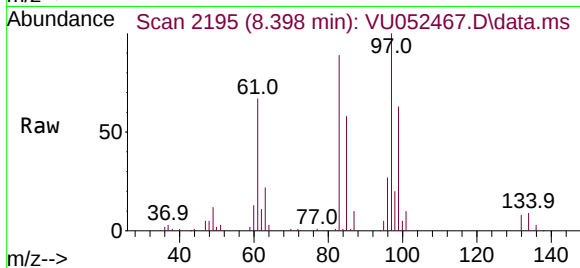


#45
1,1,2-Trichloroethane
Concen: 5.107 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

Tgt Ion: 97 Resp: 60259

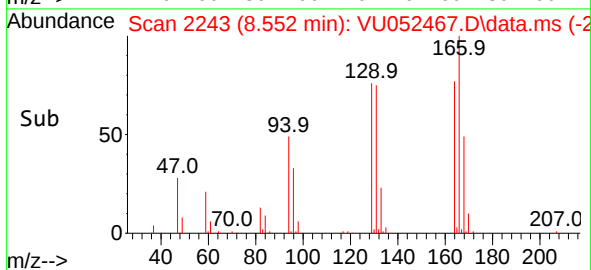
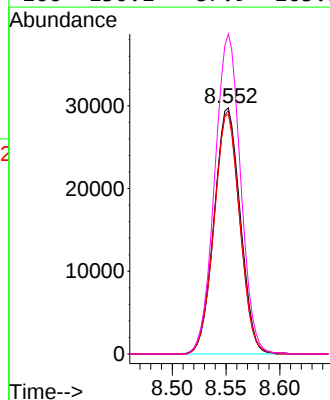
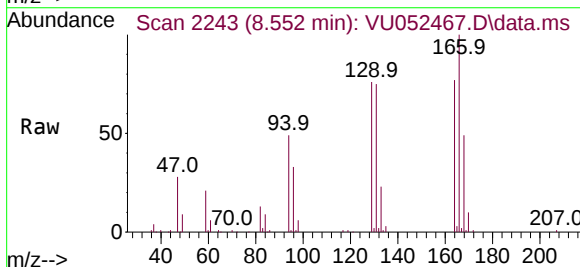
Ion	Ratio	Lower	Upper
97	100		
99	63.3	42.0	78.0
83	89.3	63.2	117.4
85	58.4	40.2	74.6

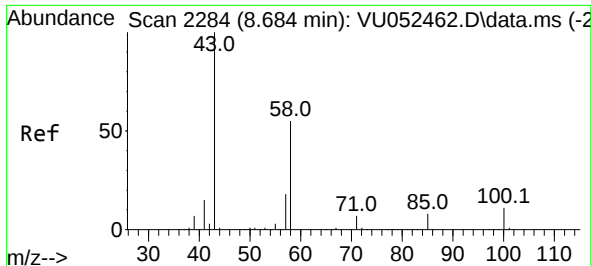


#47
Tetrachloroethene
Concen: 5.152 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 164 Resp: 50195

Ion	Ratio	Lower	Upper
164	100		
129	98.9	68.1	126.5
131	97.4	66.5	123.5
166	130.1	87.9	163.3



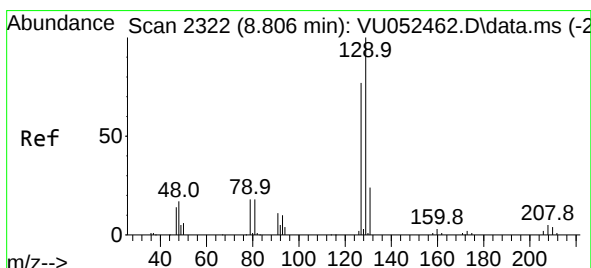
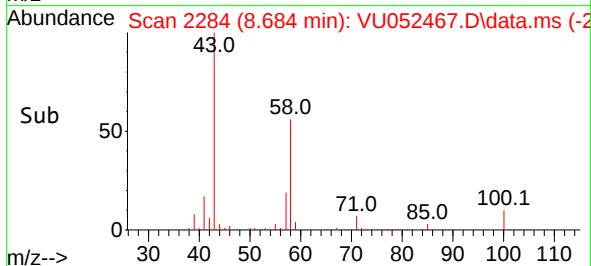
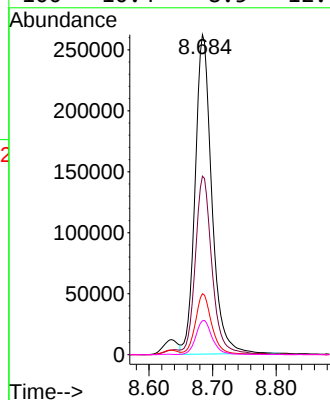
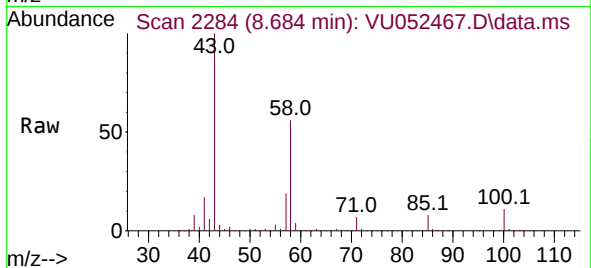


#48
2-Hexanone
Concen: 52.063 ug/L
RT: 8.684 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

Tgt Ion: 43 Resp: 477800

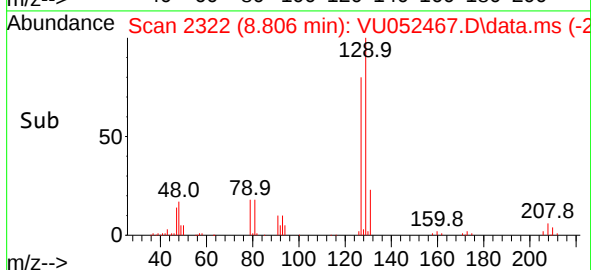
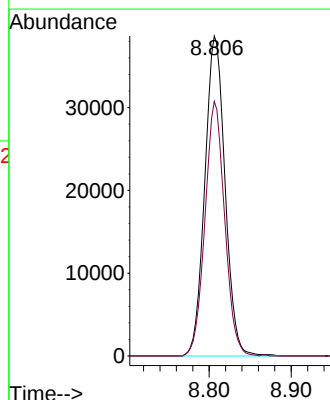
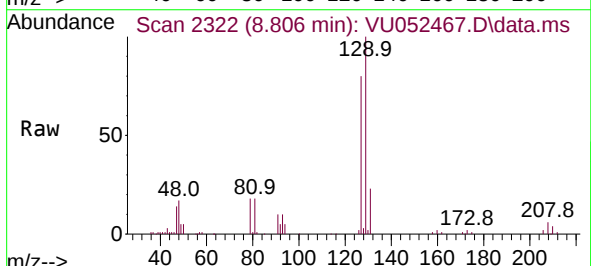
Ion	Ratio	Lower	Upper
43	100		
58	55.6	44.1	66.1
57	18.6	14.6	21.8
100	10.4	8.5	12.7

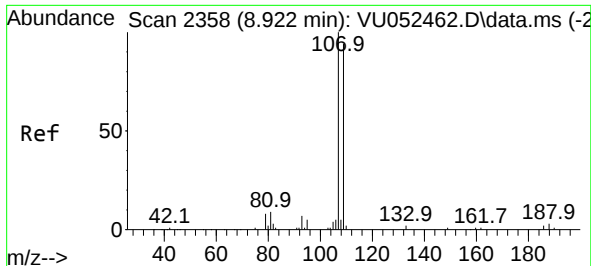


#49
Dibromochloromethane
Concen: 5.286 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 129 Resp: 66051

Ion	Ratio	Lower	Upper
129	100		
127	79.6	54.2	100.6





#50

1,2-Dibromoethane

Concen: 5.154 ug/L

RT: 8.922 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005111

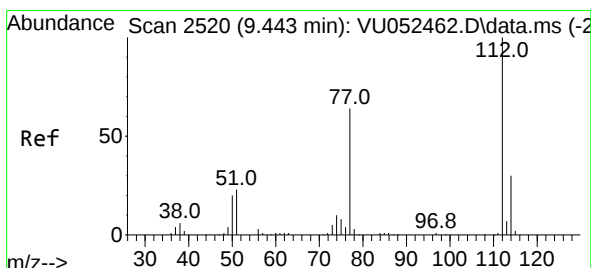
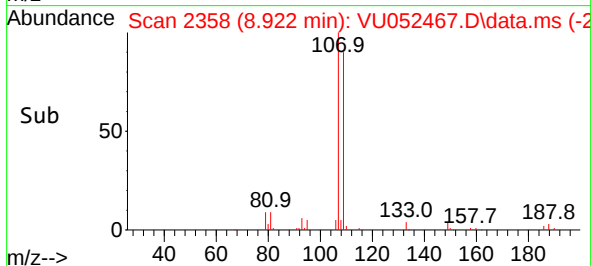
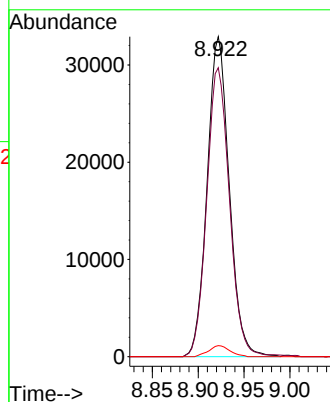
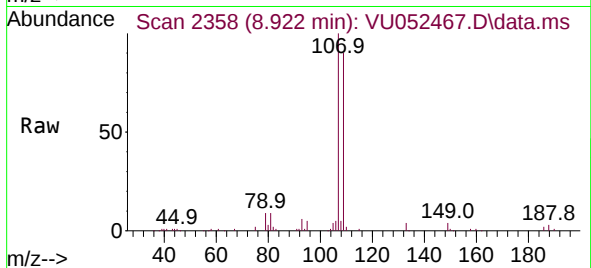
Tgt Ion:107 Resp: 55290

Ion Ratio Lower Upper

107 100

109 90.3 65.8 122.2

188 3.4 2.3 3.5



#51

Chlorobenzene

Concen: 5.149 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

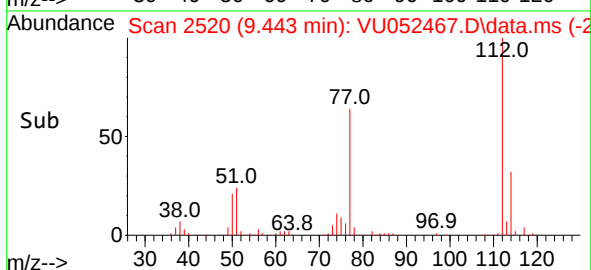
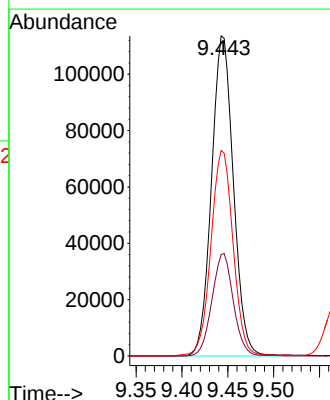
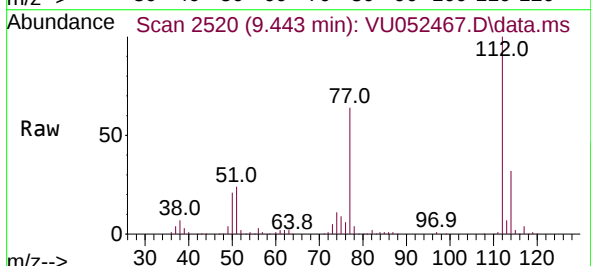
Tgt Ion:112 Resp: 188238

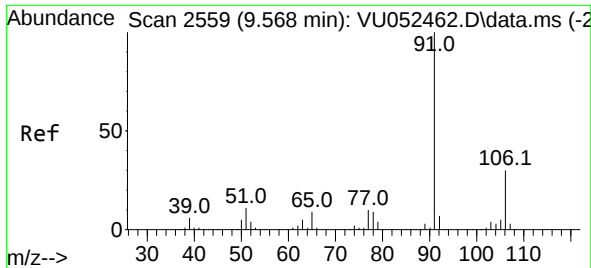
Ion Ratio Lower Upper

112 100

114 31.7 21.3 39.5

77 64.2 51.0 76.6

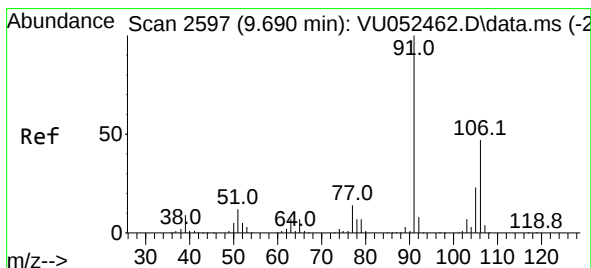
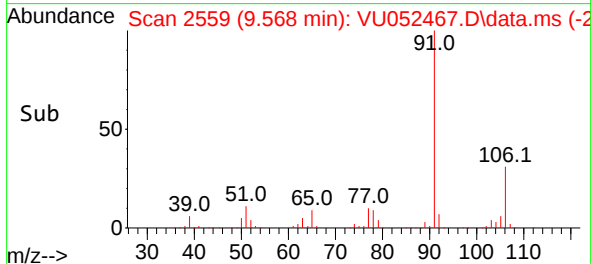
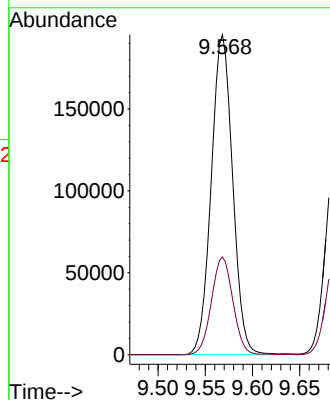
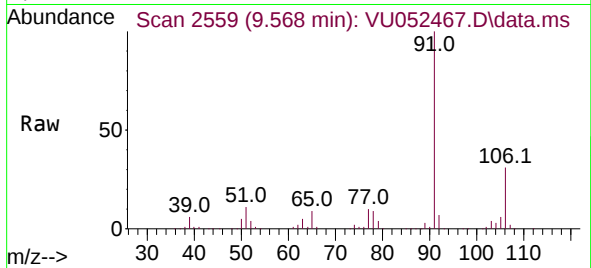




#52
Ethylbenzene
Concen: 5.187 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

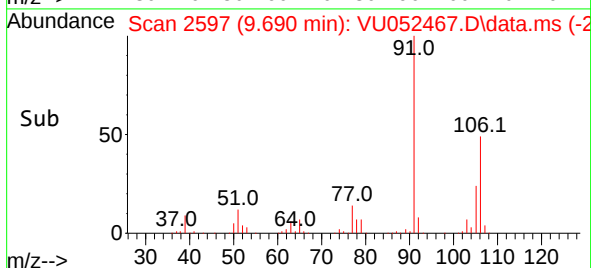
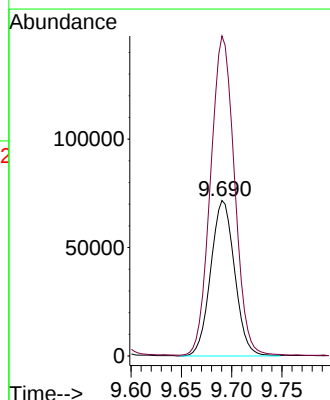
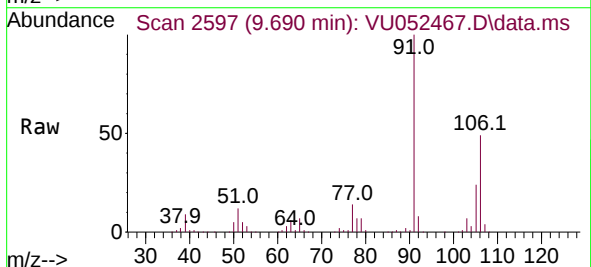
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

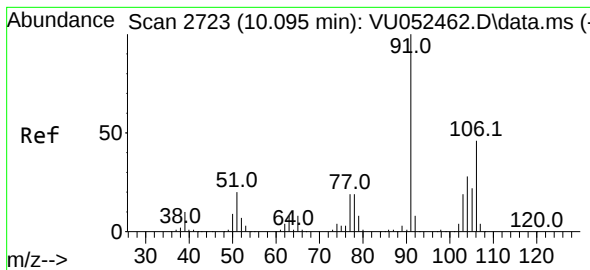
Tgt Ion: 91 Resp: 307273
Ion Ratio Lower Upper
91 100
106 30.6 20.9 38.7



#53
m,p-Xylene
Concen: 5.435 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion: 106 Resp: 118720
Ion Ratio Lower Upper
106 100
91 205.8 148.2 275.2





#54

o-Xylene

Concen: 5.401 ug/L

RT: 10.099 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

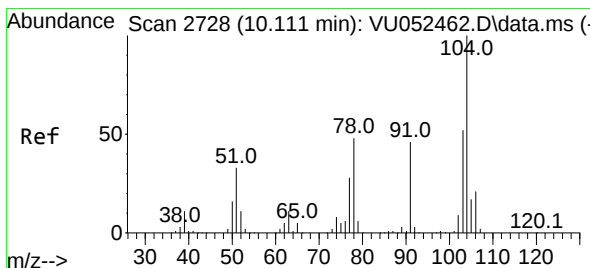
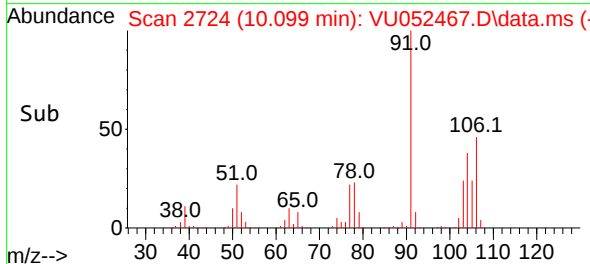
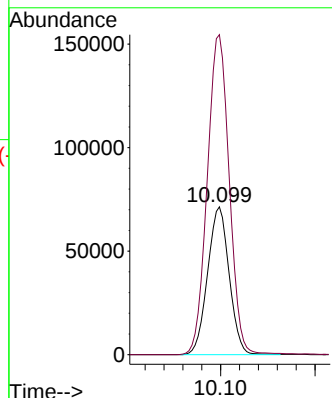
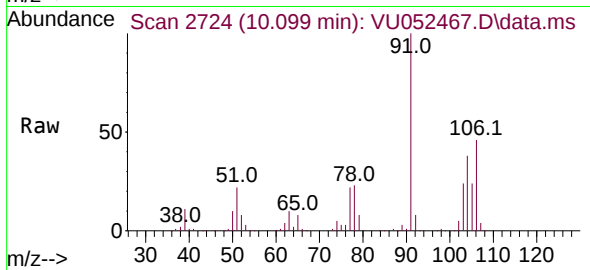
VSTD005111

Tgt Ion:106 Resp: 113096

Ion Ratio Lower Upper

106 100

91 216.4 153.2 284.4



#55

Styrene

Concen: 5.603 ug/L

RT: 10.112 min Scan# 2728

Delta R.T. 0.000 min

Lab File: VU052467.D

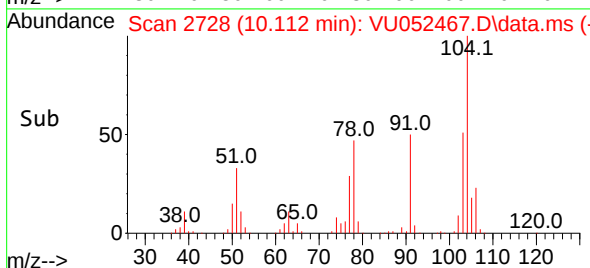
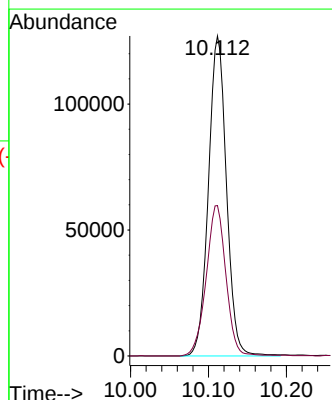
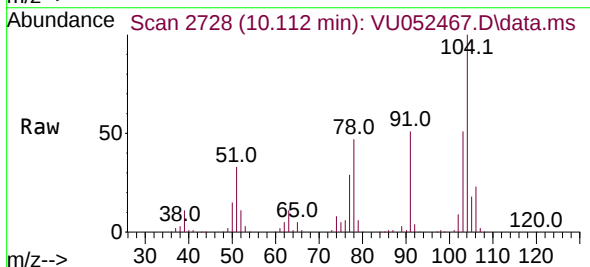
Acq: 21 Dec 2022 09:33

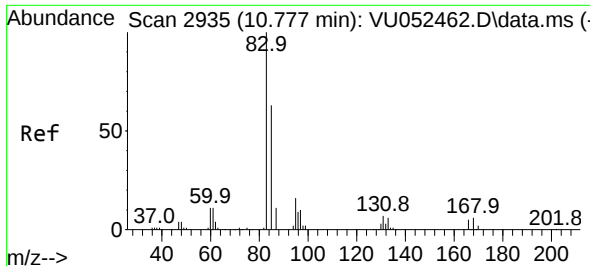
Tgt Ion:104 Resp: 204122

Ion Ratio Lower Upper

104 100

78 47.0 33.4 62.0

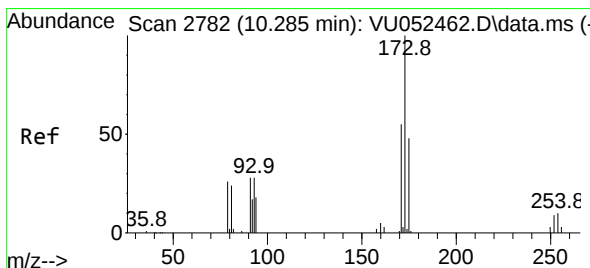
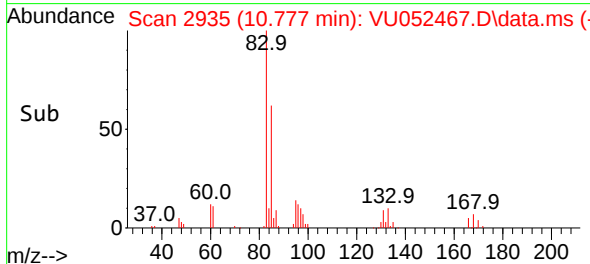
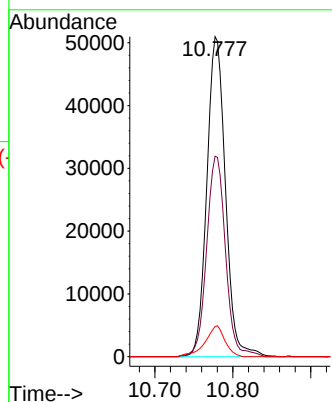
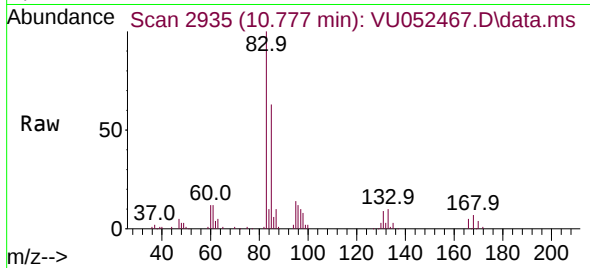




#57
1,1,2,2-Tetrachloroethane
Concen: 5.174 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

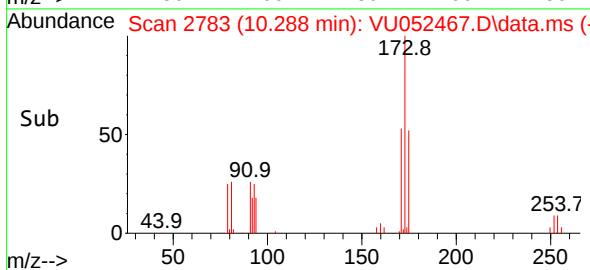
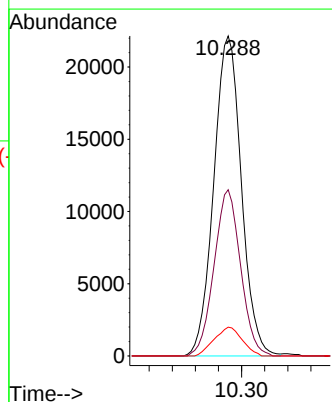
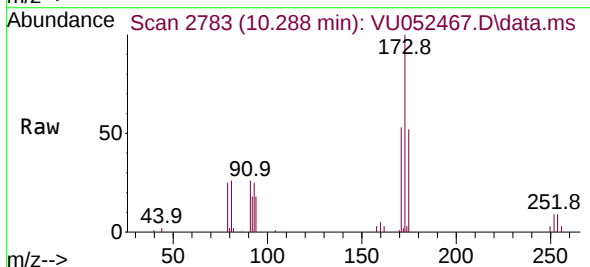
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

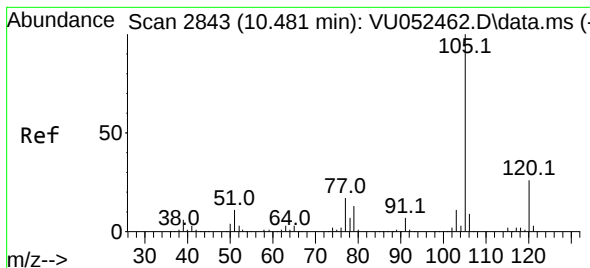
Tgt Ion: 83 Resp: 84407
Ion Ratio Lower Upper
83 100
85 62.6 44.7 83.1
131 9.5 6.0 9.0#



#59
Bromoform
Concen: 4.885 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. 0.003 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion:173 Resp: 36740
Ion Ratio Lower Upper
173 100
175 49.9 38.9 58.3
254 9.1 7.0 10.6





#60

Isopropylbenzene

Concen: 5.421 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005111

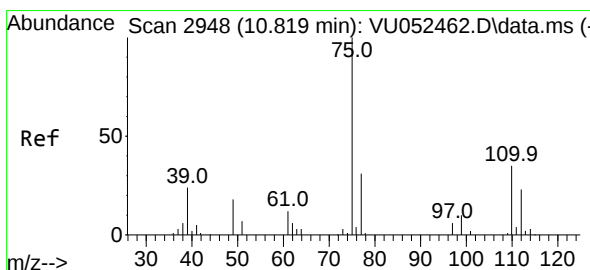
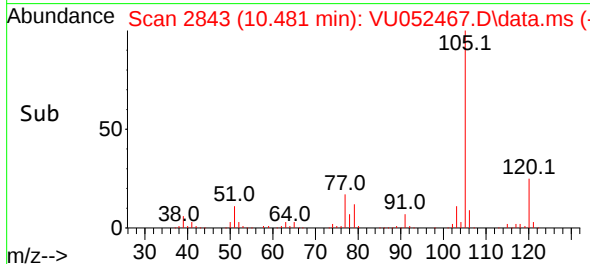
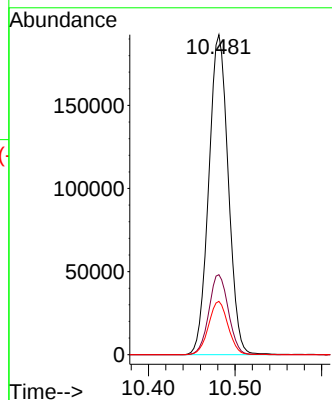
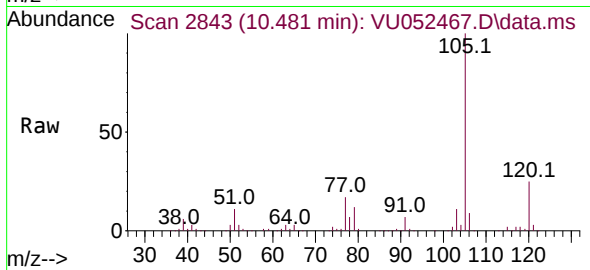
Tgt Ion:105 Resp: 300807

Ion Ratio Lower Upper

105 100

120 25.1 20.6 31.0

77 16.7 13.8 20.8



#61

1,2,3-Trichloropropane

Concen: 4.853 ug/L

RT: 10.819 min Scan# 2948

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

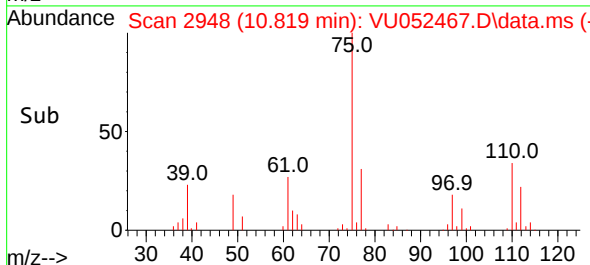
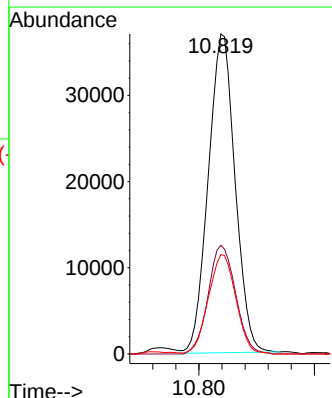
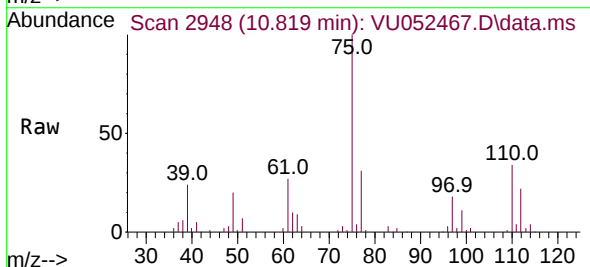
Tgt Ion: 75 Resp: 59594

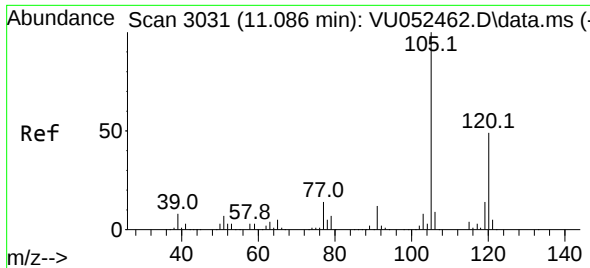
Ion Ratio Lower Upper

75 100

110 34.8 27.9 41.9

77 32.0 25.9 38.9

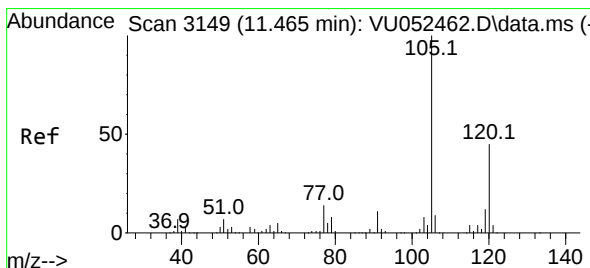
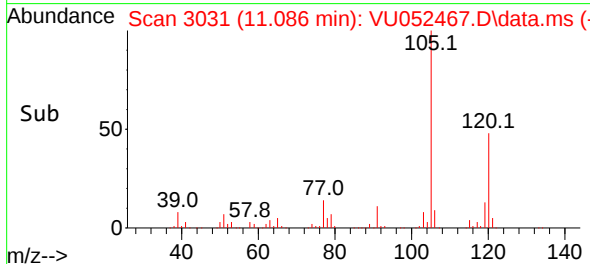
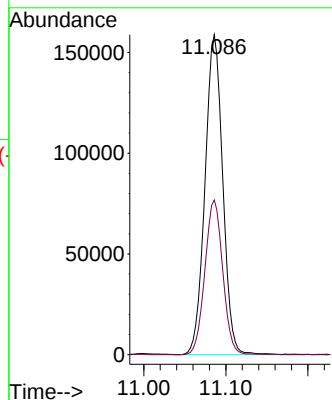
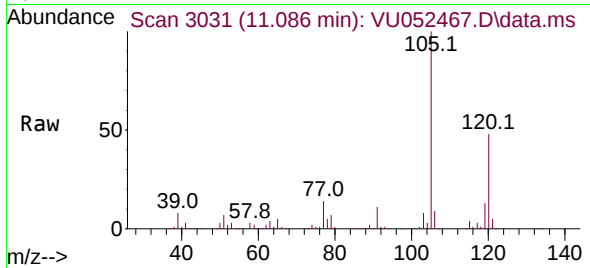




#62
 1,3,5-Trimethylbenzene
 Concen: 5.224 ug/L
 RT: 11.086 min Scan# 3031
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

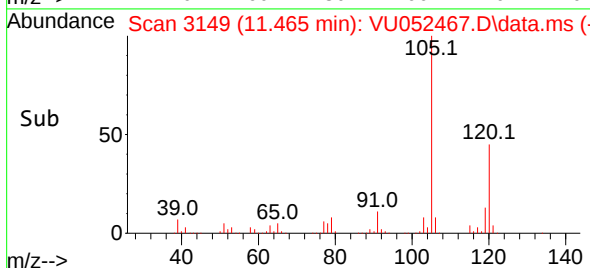
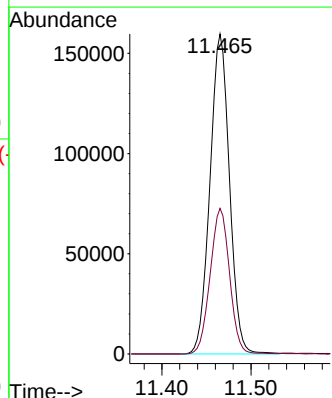
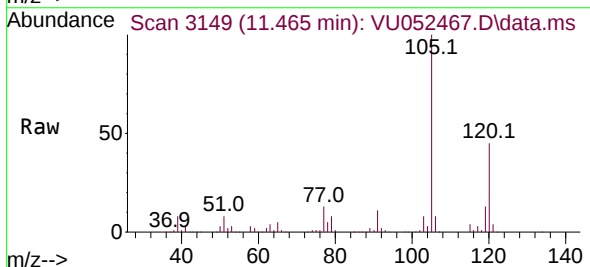
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

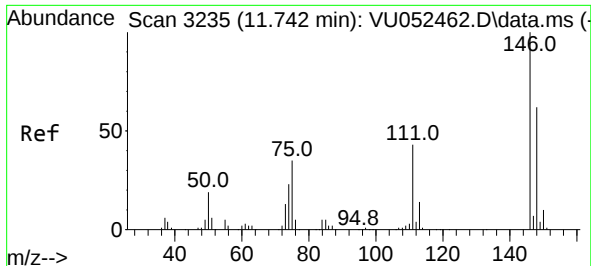
Tgt Ion:105 Resp: 239081
 Ion Ratio Lower Upper
 105 100
 120 48.6 38.6 57.8



#63
 1,2,4-Trimethylbenzene
 Concen: 5.262 ug/L
 RT: 11.465 min Scan# 3149
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

Tgt Ion:105 Resp: 242427
 Ion Ratio Lower Upper
 105 100
 120 45.3 35.6 53.4

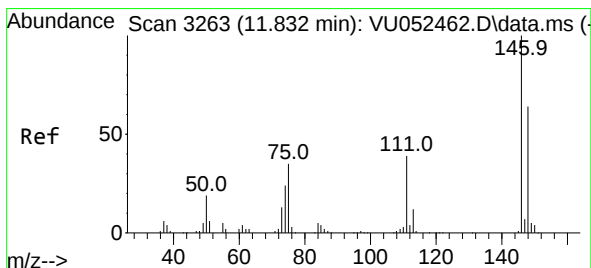
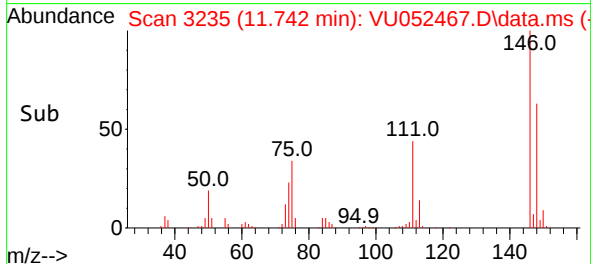
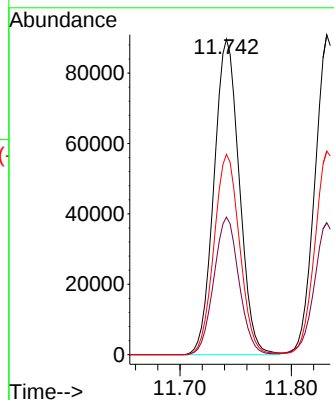
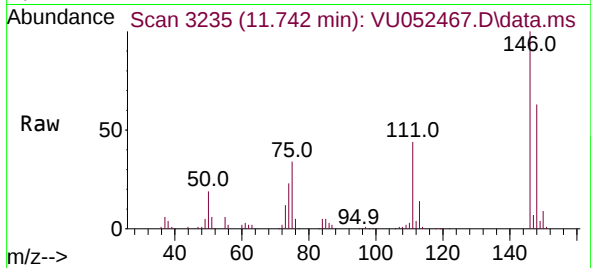




#64
1,3-Dichlorobenzene
Concen: 5.145 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

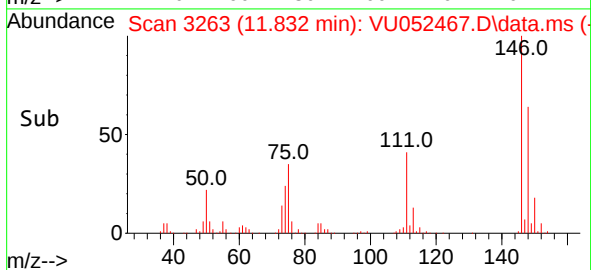
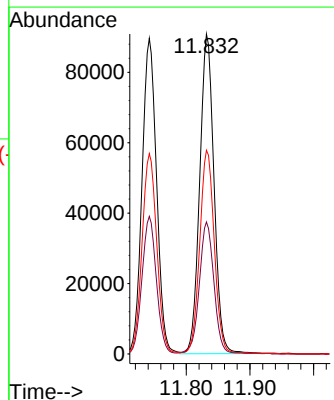
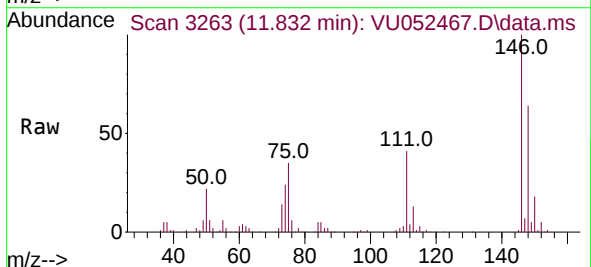
Instrument :
MSVOA_U
ClientSampleId :
VSTD005111

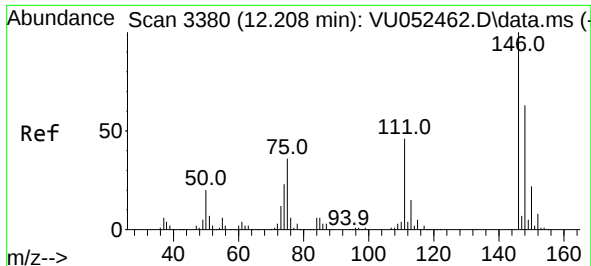
Tgt Ion:146 Resp: 141654
Ion Ratio Lower Upper
146 100
111 43.6 29.9 55.5
148 63.4 43.4 80.6



#65
1,4-Dichlorobenzene
Concen: 4.985 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052467.D
Acq: 21 Dec 2022 09:33

Tgt Ion:146 Resp: 141940
Ion Ratio Lower Upper
146 100
111 41.3 27.5 51.1
148 63.7 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 5.061 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005111

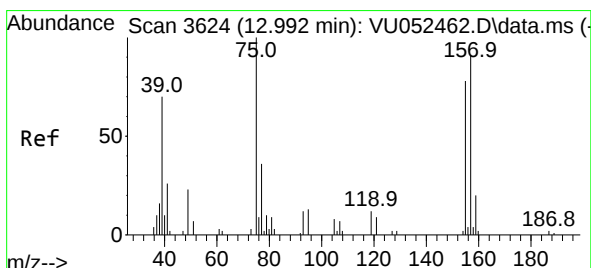
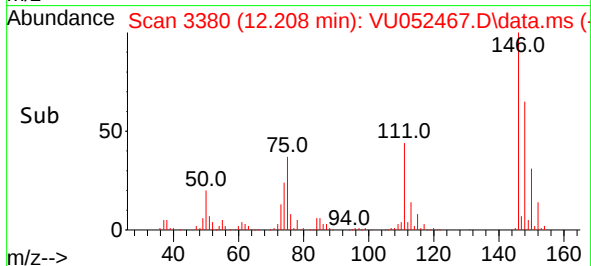
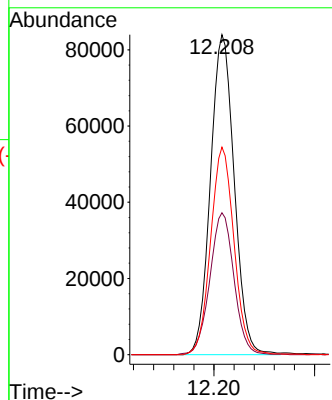
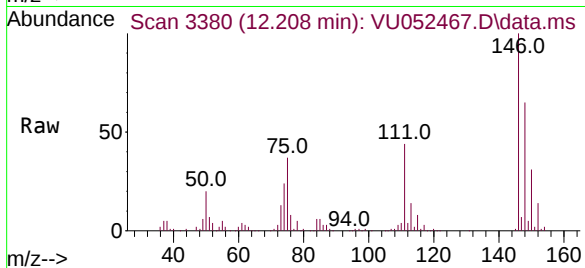
Tgt Ion:146 Resp: 137671

Ion Ratio Lower Upper

146 100

111 44.4 36.6 55.0

148 64.9 50.5 75.7



#68

1,2-Dibromo-3-chloropropane

Concen: 4.780 ug/L

RT: 12.992 min Scan# 3624

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

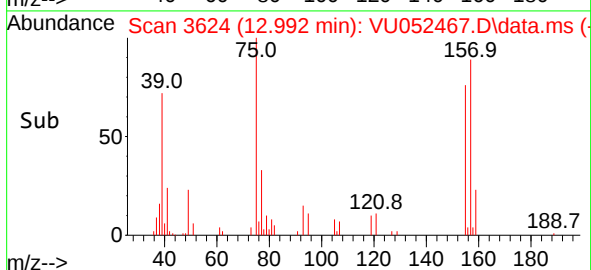
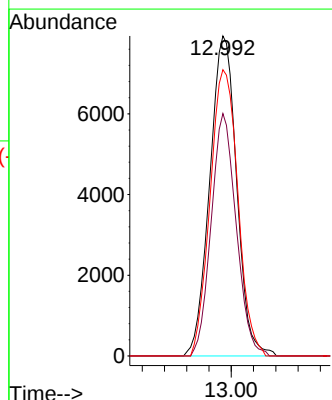
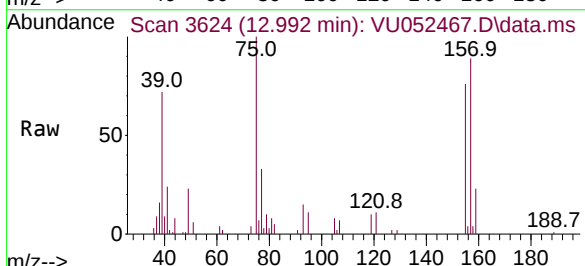
Tgt Ion: 75 Resp: 13286

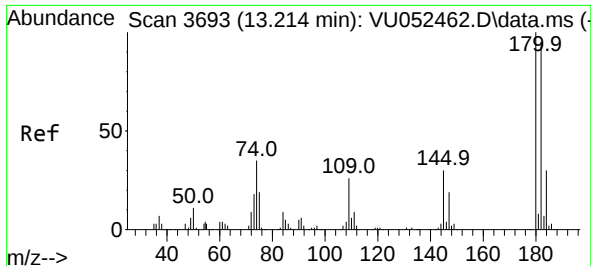
Ion Ratio Lower Upper

75 100

155 75.8 62.2 93.2

157 89.5 73.0 109.4

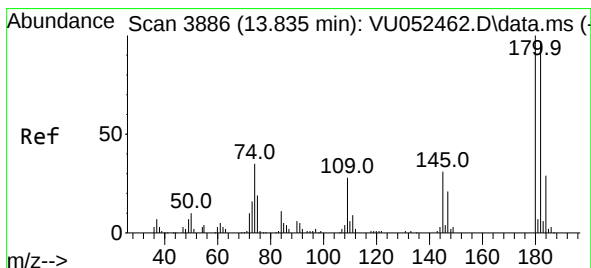
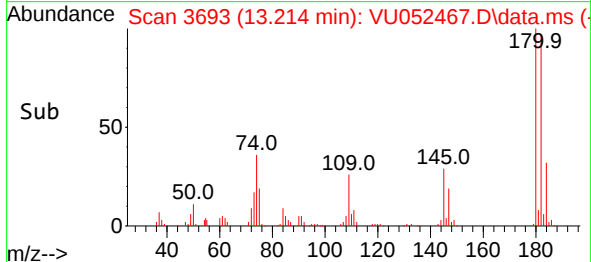
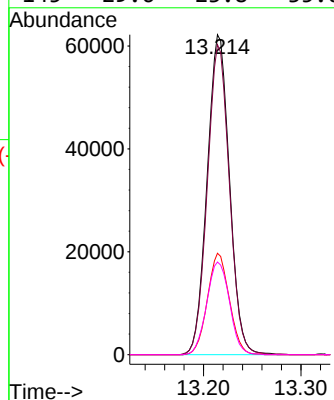
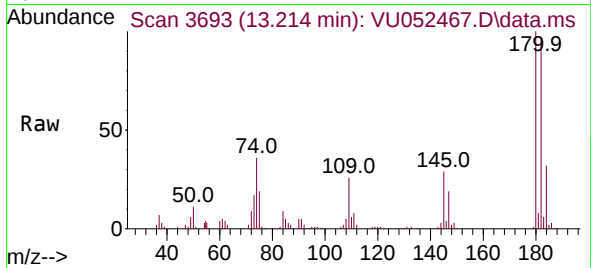




#69
 1,3,5-Trichlorobenzene
 Concen: 4.877 ug/L
 RT: 13.214 min Scan# 3693
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

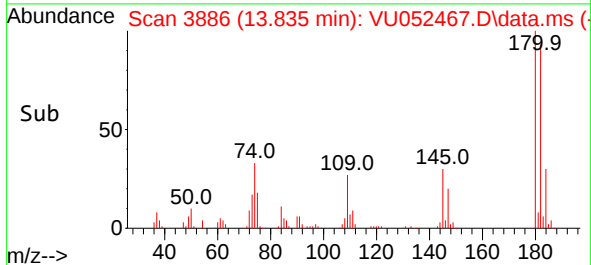
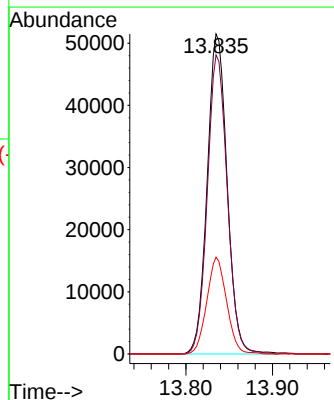
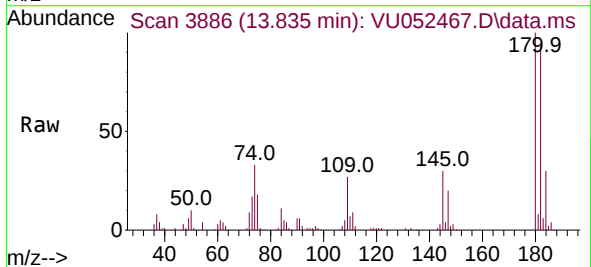
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005111

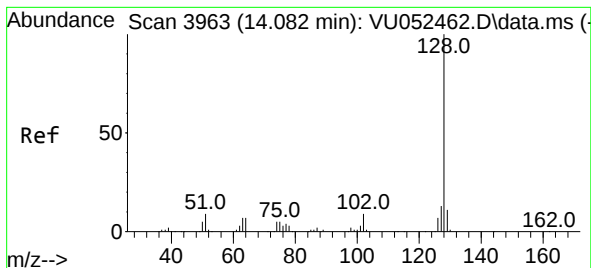
Tgt Ion:180	Resp:	98870
Ion Ratio	Lower	Upper
180	100	
182	95.8	75.8 113.8
184	31.1	23.4 35.0
145	29.6	23.8 35.6



#70
 1,2,4-trichlorobenzene
 Concen: 4.821 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.000 min
 Lab File: VU052467.D
 Acq: 21 Dec 2022 09:33

Tgt Ion:180	Resp:	82244
Ion Ratio	Lower	Upper
180	100	
182	93.5	77.7 116.5
145	30.1	24.0 36.0





#71

Naphthalene

Concen: 4.489 ug/L

RT: 14.082 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Instrument :

MSVOA_U

ClientSampleId :

VSTD005111

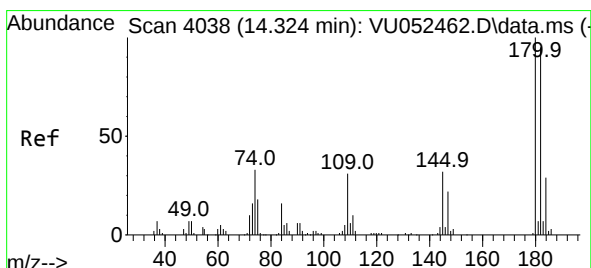
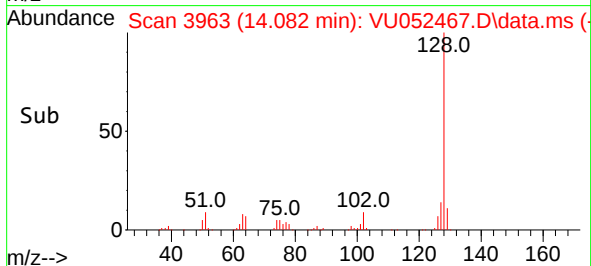
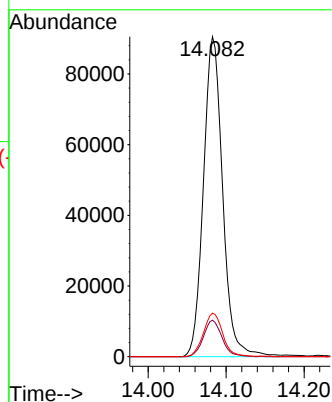
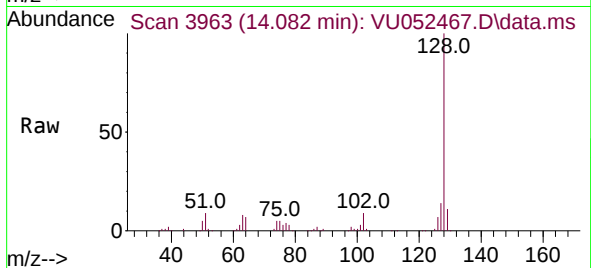
Tgt Ion:128 Resp: 154941

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.8 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 4.817 ug/L

RT: 14.324 min Scan# 4038

Delta R.T. 0.000 min

Lab File: VU052467.D

Acq: 21 Dec 2022 09:33

Tgt Ion:180 Resp: 82358

Ion Ratio Lower Upper

180 100

182 95.8 76.3 114.5

145 32.6 25.8 38.8

